

Study and Examination Regulations of the University of Freiburg for the continuing education program Master of Science Solar Energy Engineering

On the basis of § 32 paragraph 3 sentence 1, § 31 paragraph 1, and § 19 paragraph 1 sentence 2 No. 9 of the Law on the Universities in Baden-Württemberg (Landeshochschulgesetz - LHG) of January 1, 2005 (GBl. S. 1), last amended by Article 1 of the Act of December 17, 2020 (GBl. S. 1204), the Senate of the University of Freiburg adopted the following statutes at its meeting on June 30, 2021.

The Rector gave her approval on July 7, 2021.

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I. Content and structure of the study program

§ 1 Scope of the study and examination regulations

These study and examination regulations apply to the Master of Science Solar Energy Engineering continuing education program at University of Freiburg.

§ 2 Entrance and admission requirements

The admission and enrollment requirements are regulated in the Admission and Enrollment Regulations of University of Freiburg and the Admission Regulations of University of Freiburg for the Master of Science Solar Energy Engineering Continuing Education Program.

§ 3 Academic Degree

Based on the successful completion of the Master's examination, the academic degree Master of Science (abbreviated: M.Sc.) is awarded by University of Freiburg.

§ 4 Profile and Concept of the Program

(1) The internationally oriented, English-language continuing education program Master of Science Solar Energy Engineering offers students a broad interdisciplinary technical and scientific education in the field of solar energy generation. Based on a highly-qualified teaching framework, the program provides students with technical skills ranging from developing and producing photovoltaic and solar thermal systems to constructing complex installations, power plants, and energy grids. It enables them to optimize components, systems, and installations, considering the aspects of innovation, efficiency, costs, and lifespan.

Close cooperation with institutes within and outside the university, in particular the Fraunhofer Institute for Solar Energy Systems, offers the opportunity for professional specialization in one or more sub-areas of solar energy generation, such as solar cell technologies, photovoltaic systems, solar thermal systems, material, and cell characterization, or system integration and power grids. The successful completion of the master's program qualifies students for a scientific career in research institutions as well as for positions in industrial companies in the field of solar energy generation, especially photovoltaics, in utility companies and infrastructure operators for energy, in planning offices for grids as well as in state authorities.

(2) The course of study is modular in structure and is linked to an examination system accompanying the course of study. It is designed as a career-accompanying part-time continuing education program and uses the possibilities of distance learning and information and communication technology (multimedia learning).

§ 5 Start of study, the standard period of study, and ECTS credits

(1) The Master of Science Solar Energy Engineering study program can be started in the winter and summer semesters.

(2) The standard study period, including the time for writing the master's thesis, is five or seven semesters, depending on the first university degree that qualifies the student for the profession. Depending on the first professionally qualifying university degree, the scope of the study program is at minimum 90 and at maximum 120 ECTS credits. Following the European Credit Transfer and Accumulation System (ECTS), ECTS points are assigned to all components of the degree program, the respective number of which depends on the amount of work the student is expected to require. One ECTS point corresponds to an average workload of 25 hours.

(3) The study contents are selected and limited so that the program can be completed within the standard study period. The type, scope, and duration of the coursework and course-related examinations shall be determined so that the time required to complete them corresponds to the ECTS points allocated to the respective course or module. Except for the Master's thesis, prerequisites for admission to course-related examinations may only be imposed if this is justified by particular circumstances, for example, for didactic reasons; the reasons for this must be documented in the module handbook.

(4) Course achievements and course-related examinations are designed to enable a meaningful assessment of the defined learning outcomes of the module; they are module-related and competence-oriented. Course achievements and course-related examinations may take the following formats: written examination, open-book examination, fixed-time examination, seminar paper, assignment, preparation of a sample solution, written discussion of a problem, course report, laboratory report, description of an experiment,

exercises during the semester, poster, paper review, oral examination, lecture, poster presentation, project work, execution of experiments, preparation of videos and portfolio examination.

§ 6 Language of instruction and examination

(1) The courses and examinations in the Master of Science Solar Energy Engineering program are generally held in English.

(2) Some of the freely selectable courses can also be held in German in whole or in part. The associated examinations can also be held in English upon request.

§ 7 Contents of studies

(1) The modules offered in the Master of Science Solar Energy Engineering continuing education program must be completed by the regulations in paragraphs 2 to 4. The modules are based on the principle of blended learning and combine in-person events (campus phases) with online study. The courses that can be taken in the individual modules are listed and described in more detail in the respective module handbook.

(2) The fundamental modules listed below in Table 1 must be completed by those students who do not have a first university degree qualifying them for a profession in the field of physics, microsystems engineering, electrical engineering, or a related field with a value of at least 240 ECTS credits.

Table 1: Fundamental modules (30 ECTS-Points)

Module	Type	ECTS-Points	Semester	Course Achievement/ Examination
Modelling	L + S	3	1	SL PL: Assignment
Physics	L	6	1	SL PL: Written exam
Solar Energy: Generation	L + T	6	1	SL PL: Assignment
Electrical Engineering	L	3	2	SL PL: Written exam
Semiconductor Physics	L + S	6	2	SL PL: Written exam
Solar Energy: Systems	L + T	6	2	SL PL: Assignment

Abbreviations in the tables:

Type = type of course; Semester = recommended subject semester in case of starting studies in the Master's program with a scope of performance of 120 ECTS credits for the winter semester; Pr = Practical training; S = Seminar; T = Tutorial; L = Lecture; PL = Course examination; SL = Course achievement

(3) In the mandatory module, all students must complete the modules listed below in Table 2. The requirements and contents of the Master Thesis module are regulated in more detail in §§ 19 to 21.

Table 2: Mandatory modules (60 ECTS-Points)

Module	Type	ECTS-Points	Semester	Course Achievement/ Examination
Energy Needs	L + T	5	3	SL
Fundamentals of Solar Cells	L	6	3	SL PL: Written exam

Photovoltaic Systems	L	6	3	SL PL: Assignment
Research Methods and Projects	L + T	10	3, 4, 5 and 6	SL
Crystalline Silicon Photovoltaics	L	6	5	SL PL: Written exam
Electrical Energy Storage	L	3	5	SL PL: Written exam
Solar Modules: Fabrication and Application	L + T	6	5	SL PL: Written exam
Master Thesis		18	7	PL: Master thesis PL: Master colloquium

(4) In the compulsory elective modules, all students must complete two modules of their own choice from those listed in Table 3. For Photovoltaic Power Plants, Solar Cell Technology, and Solar Energy Integration into the Power Grid modules, each of the three associated partial module examinations is weighted with 5 ECTS credits. A three-month laboratory internship on a current research topic must be completed as part of the Applied Research module.

Table 3: Elective modules (30 ECTS-Points)

Module	Type	ECTS-Points	Semester	Course Achievement/ Examination
Photovoltaic Power Plants	L + S	15	4 or 6	SL PL: Written exam PL: Assignment PL: Oral presentation
Solar Cell Technology	L + S	15	4 or 6	SL PL: Written exam PL: Assignment PL: Oral presentation
Solar Energy Integration into the Power Grid	L + S	15	4 or 6	SL PL: Written exam PL: Assignment PL: Oral presentation
Solar Thermal Energy	L + S	15	4 or 6	SL PL: Written exam PL: Assignment PL: Oral presentation
Applied Research	Pr	15	6	PL: Practical and written assignment

II. Course achievements and course-related examinations

§ 8 Purpose and Scope of the Master's Examination

(1) The master's examination is intended to determine whether the student has acquired the subject knowledge taught in the Master of Science Solar Energy Engineering continuing education program, has an overview of the interconnections of the subject and can critically assess them, and can independently apply the relevant scientific methods and findings.

(2) The Master's examination consists of course-related examinations (module examinations), including the Master's thesis and the Master's colloquium.

(3) The Master's examination is passed if all module examinations have been assessed with at least the grade "sufficient" (4.0). In addition, all ECTS points awarded for the required study and examination achievements in the modules to be taken by § 7 must have been acquired. The ECTS points assigned to

the individual modules, courses, or other performances are awarded if all required course achievements and course-related examinations have been completed in each case.

§ 9 Course achievements

(1) Course achievements are individual written, oral, or practical performances, which are usually completed by the student in connection with lectures; they may also consist of regular participation in a lecture, for which alone, however, no ECTS credits are awarded. If an oral course achievement is to be performed in the form of an oral examination, the duration is at least 10 and at most 30 minutes per examinee. If a written course achievement is to be submitted in the form of a written examination, the duration shall be at least 30 and at most 120 minutes.

(2) Regular participation in a lecture may only be required from students if this is necessary to achieve the qualification objective of the lecture; the relevant lectures shall be indicated in the module descriptions of the applicable module handbook. In courses in which regular attendance is required from students on a permissible basis, attendance is considered regular if no more than 15 percent of the lecture time is missed in any one course. If between 15 percent and a maximum of 30 percent of the class time is missed for any significant reason, the instructor of the course shall, upon request, allow the student to take a substitute course suitable to fulfill the requirement of regular attendance; the request shall be accompanied by appropriate evidence. If the student does not provide the substitute performance or does not provide it on time, or if no suitable substitute performance can be offered, the student's participation in the course shall be assessed as not being regular. If the student misses lectures above the permitted amount, the respective course must be retaken; if the associated examination has already been taken, its grade shall stand; if it has not yet been taken, the registration and any admission to the examination already taken shall be deemed as not taken place. If a student is absent from a seminar or tutorial session in which he/she is supposed to give a talk, either the talk must be presented at a later session, or a suitable substitute performance must be provided. If the student does not give the talk or does not provide the substitute performance or does not provide it on time, the participation in the course is to be assessed as not having taken place regularly.

(3) The modules or courses in which course achievements are to be completed are regulated in the study and examination regulations. The type, scope, and duration of the coursework to be completed in the individual modules are specified in the applicable module handbook and announced to the students at the beginning of the respective course at the latest.

(4) If course achievements in a module are a prerequisite for admission to a course-related examination, this shall be sufficiently specified and regulated in the study and examination regulations in compliance with the principle of proportionality. In all cases in which the student has a choice between different modules or between different courses within a module, it is sufficient if the required information can be found in the examination regulations of the degree program to which the module or selected course belongs.

(5) The course achievements are to be evaluated by the head of the respective course as "passed" or "failed" but not necessarily graded.

(6) If the course achievements required for the successful completion of a module have been obtained, no further course achievements can be obtained in this module.

(7) If a single course achievement examines the essential competencies of a module, it shall be deemed a module examination within the meaning of § 10 Paragraph 1 Sentence 3.

§ 10 Course-related assessment

(1) Course-related assessment shall take the form of module examinations. Module examinations are either final module examinations in which all module components are examined, or partial module examinations, which relate to one or more module components. As a rule, a single module examination will be provided for each module, in which the essential competencies are examined. In justified cases, partial module examinations with limited content are permissible. In particular, if different learning outcomes are to be obtained through different forms of teaching and learning and must be examined through different types of examinations and examination formats or to open up options for the students. Justification must be documented in the module handbook.

(2) The study and examination regulations shall at least specify the type of course-related assessment. Course-related assessments are oral examinations or presentations, written examinations or assignments, and practical work. Instead of the type, the examination format can also be specified in the study and examination regulations. The specific form of the course-related assessment is specified in the applicable module handbook. It is announced to the students at the beginning of the courses from the respective

module at the latest. If course-related examinations are to be taken in modules or courses that can be selected from the courses offered in other degree programs, it is sufficient, in deviation from sentences 1 to 4, if the required information is provided in the examination regulations or the module handbook of the respective degree program.

(3) Deviations from the exam type, format, or type of execution specified in § 7 or in the module handbook are only permissible if, due to a circumstance for which the examiner is not responsible and the consequences of which cannot be compensated in any other way, the examination in the provided form would not be suitable or would be disproportionate in terms of the effort required. The decision as to whether and in what form the examination may be conducted instead shall be made by the Admission and Examination Board upon request submitted by the examiner without delay; a decision by the Board is not required if an oral examination performance in the same type or format is to be conducted as an online examination instead of a face-to-face examination. The professional requirements of the examination performance must be met. If the Admission and Examination Board approves the application, the students must be informed immediately. Students who have already been admitted to the examination at the time of the decision of the Board may withdraw from the examination upon request. Sentences 1 to 4 shall apply accordingly to course achievements.

(4) Once the examinations required for the successful completion of a module have been taken, no further examinations can be taken in this module.

§ 11 Course-related oral assessment

(1) Course-related oral assessment includes oral examinations (examination discussions) and oral presentations (for example, lectures).

(2) Through an oral examination, the student should prove that he/she has achieved the qualification objectives documented in the module handbook in the relevant module description, understands the context of the subject of the examination, and can classify specific questions in this context.

(3) Oral examinations are usually conducted by an examiner in the presence of an assistant (individual examinations) or as collegial examinations. Group examinations with more than three students shall be conducted as collegial examinations with at least two examiners. The duration of the oral examination shall be a minimum of 15 and a maximum of 30 minutes per examinee. Before determining the grade by Section 76 (2), the examiner shall consult the assistant examiner. In the case of a collegial examination, the grade shall be the arithmetic mean of the individual assessments; Section 17 (4) sentence 4 shall apply accordingly.

(4) The key points and the result of the oral examination shall be documented in a protocol which the examiner and the assistant or examiners, respectively shall sign. The examination results shall be announced to the candidate at the end of the oral examination.

(5) Through an oral presentation (lecture), the student shall demonstrate that he/she can deal scientifically with a specific subject in his/her field and present the results in oral form. The duration of a presentation should be approximately 20 minutes.

(6) The dates for oral examinations shall be announced to the students in a suitable manner in due time. If the examiner is prevented from attending a date already set, a new date for the oral examination shall be set in agreement with the student.

§ 12 Course-related written assessments

(1) Course-related written assessments are written examinations and assignments (e.g., homework).

(2) In a written exam, the student should prove that he/she can solve the tasks and work on topics assigned based on the necessary basic knowledge in a limited time and with limited aids using the common methods of his/her subject.

(3) The duration of examinations shall be at least 60 and at most 240 minutes. The dates for examinations and the permissible aids shall be announced to the students by the examination office in a suitable form at least four weeks in advance.

(4) The deadlines for written assignments shall be announced to the students in a suitable manner in due time.

(5) The assessment procedure for written examinations shall not exceed four weeks; § 20 paragraph 7, sentence 1 remains unaffected.

§ 13 Multiple-choice exams

- (1) Written examinations can be fully or partially in a way that the examinee must indicate which of the answers presented with the examination questions he or she considers to be correct (multiple-choice principle). The examination questions must relate to the subject matter of the respective module and enable reliable examination results. The same examination questions shall be set for all candidates.
- (2) The examination questions should be prepared by the responsible examiner by § 28, who will also grade the answers to the examination questions.
- (3) Paragraphs 1 and 2 shall apply accordingly to course achievements.

§ 14 Online examinations

- (1) Online examinations are conducted using electronic information and communication systems; the examination performance may be in text, oral or practical form. Online examinations are only permitted if the electronic information and communication systems used for this purpose are operated by the University of Freiburg or by third parties on its behalf; the use of electronic information and communication systems for online examinations requires the consent of the data protection officer(s). The use of private devices in the context of online examinations remains unaffected. In the case of online examinations, the requirements of Section 15 must be followed.
- (2) If an examination is to be conducted as an online examination, the students shall be properly informed of this in due time (as a rule: before registering for the examination). The students shall be given sufficient opportunity to test the framework conditions of the online examination regarding technology, equipment, and spatial environment in advance.
- (3) The performance of online examinations under video supervision is only permitted in accordance with paragraphs 4 to 10.
- (4) Online examinations in written form under video supervision are generally conducted by the academic staff of University of Freiburg; oral and practical online examinations under video supervision are conducted as video conferences. In the case of video conferencing, the examiners and assistants should, as much as possible, be on the university premises.
- (5) If online examinations are conducted under video supervision, the students shall be informed about the following:
 1. the processing and removal of their personal data and their rights under Articles 12 to 21 of the General Data Protection Regulation,
 2. the technical requirements for the electronic information and communication systems, in particular, a video and audio transmission sufficient for video supervision or video conferencing, as well as for the Internet connection,
 3. the organizational conditions of a proper examination following paragraphs 6 and 7,
 4. the deadline by which withdrawal from the online examination is possible, and
 5. if applicable, the voluntary nature of participation in online examinations under video supervision that are not conducted on university premises or in testing centers.

The information shall be provided before registration for the examination.

- (6) Before the start of an online examination under video supervision, the examinee must prove his/her identity upon request; this can be done by showing an official ID card or a student ID card with a photo.
- (7) To prevent cheating, the examinee is obliged to activate the camera and microphone function of the communication devices used for supervision, as far as this is necessary for the examination format. In the case of online examinations under video supervision outside the university or test centers, the examinee must ensure that no images or sounds of third parties are transmitted when selecting the examination location and aligning the camera and microphone. There will be no room supervision beyond this. Leaving the seat for a short time is permissible upon request by the examinee. In addition, video surveillance must be set up in such a way that the protection of privacy of the persons concerned is not restricted more than is necessary for justified monitoring purposes.
- (8) Oral online examinations under video supervision are generally to be conducted so that the regulations on faculty publicity for examinations are observed. If this is not possible or the effort required for this would be disproportionate, restrictions are permissible; an appropriate representation of the potential group of participants is to be aimed for. Furthermore, guests from outside the faculty or university are not permitted to take part in oral online examinations under video supervision.

(9) If online examinations under video supervision are not conducted on the premises of the University of Freiburg or in test centers, the voluntary nature of participation must be guaranteed. Voluntariness shall be ensured, particularly if students are offered a scheduled face-to-face examination as an alternative, provided that such an examination is legally permissible; scheduled examinations are examinations that take place within the same examination period in strict compliance with the principles of equal opportunity. Furthermore, the voluntary nature of participation is guaranteed if the online examination is conducted under video supervision at the student's request at an examination location outside the university or testing centers.

(10) If the provision of the examination task, the processing of the examination task, the provision of the examination paper or the video supervision is technically unfeasible at the time of the examination in the case of an online examination under video supervision, the examination shall be terminated at the respective stage. In this case, the examination performance shall not be assessed, and the examination attempt shall be deemed not to have been taken; this shall not apply if the examinee himself/herself intentionally caused the technical malfunction by sentence 1. The decision to terminate an online examination under video supervision due to proven technical infeasibility shall be made by the responsible examiner at his/her due discretion; if necessary, the responsible examiner shall be appointed by the Admissions and Examinations Committee. A new examination date should be scheduled promptly. If the image or sound transmission in an online examination under video supervision is verifiably temporarily disrupted, the examination will be continued after the disruption has been resolved. If the technical malfunction persists so the examiner cannot continue the examination, sentences 1 to 4 shall apply accordingly.

(11) Online examinations in text form under video supervision or in the form of time-pressure or open-book examinations shall be deemed to be written supervisory examinations.

(12) Paragraphs 1 to 11 shall apply accordingly to course achievements.

§ 15 Data processing for online examinations

(1) Personal data may be processed in the context of online examinations to the extent required for the proper conduct of the examination. This applies to the identification process specified in Section 14 (6) and video surveillance to prevent cheating as specified in Section 14 (7).

(2) Data collected as part of the identity verification process may not be stored beyond the technically necessary period of temporary storage. Personal data in temporary storage shall be deleted promptly. Similarly, data transmitted by the examinee by e-mail or in any other form before the start of the examination must be deleted immediately after the examination; the data must not be included in the examination records.

(3) Unless required for the purpose of transmitting an online examination under video supervision, it is not permissible to record the examination or otherwise store the image and sound data; the connection data must be deleted immediately. § Section 11 (4) sentence 1 remains unaffected.

(4) In the case of online examinations, learning management systems, examination platforms, video conferencing systems, and other technical aids are to be used in such a way that any necessary installations on the students' electronic communication devices only take place under the following conditions:

1. the functionality of the electronic communication equipment is not impaired outside the examination and is only impaired during the examination to the extent necessary to ensure the establishment of identity and to prevent acts of cheating,
2. the information security of the electronic communication device is not impaired at any time,
3. the confidentiality of the information on the electronic communications device is not compromised at any time, and
4. complete uninstallation is possible after the online examination.

(5) Furthermore, University of Freiburg shall ensure that the personal data generated during the online examination is processed by the requirements of data protection law, particularly the General Data Protection Regulation. If personal data is to be transferred to a country outside the European Union, the further requirements of Articles 44 to 50 of the General Data Protection Regulation must be observed.

§ 16 Registration and admission to examinations during studies

(1) The Admission and Examination Board sets registration deadlines for course-related examinations and informs the students of these deadlines in due time and in a suitable manner. For the retake of a course-related examination, a new registration for the respective examination is required.

(2) The following students are admitted to a course-related examination:

1. who are enrolled in the Master of Science Solar Energy Engineering program at University of Freiburg,
2. who can prove that the requirements specified for the respective examination have been met,
3. who have not conclusively failed an examination in the Master of Science Solar Energy Engineering continuing education program or in the equivalent or related program with fundamentally the same content, or have not lost their examination entitlement,
4. who are not in an ongoing examination procedure in the same or a related degree program with essentially the same content at another university, and
5. who have registered for the respective examination in due form and time.

Related degree programs with fundamentally the same content are master's degree programs in the same specialization with a comparable scope of performance. Sentence 1 No. 3 does not apply if the conclusive failure of an examination lies outside the examination areas of this degree program and is the reason for the loss of the examination entitlement.

(3) The Admission and Examination Board decides on admission to a course-related examination. Admission may only be denied if the requirements specified in paragraph 2 are not met. The student shall be informed about the admission decision. A rejection of the admission application must be communicated to the student in writing and accompanied by a statement of reasons and an appeal notice.

(4) Admission must be revoked if the student is no longer enrolled in the Master of Science Solar Energy Engineering program at University of Freiburg at the time of completion of the examination or is on leave of absence for a good cause.

(5) Admission can be revoked if it has been obtained by false statements or if facts have occurred or become known subsequently, which would have led to a refusal of admission.

(6) The Admission and Examination Committee has the right to set a deadline by which students may withdraw from an examination for which they have registered and which is not a repeat examination, even after the expiry of the registration period specified in Paragraph 1, Sentence 1. In this case, the registration and any admission already granted shall be considered not to have taken place.

(7) Section 19 shall remain unaffected.

§ 17 Evaluation of course-related examinations and calculation of module grades

(1) The grades for the individual course-related examinations are determined by the respective examiners.

(2) Each examination performance is assessed with one of the following grades:

1	=	very good	=	Excellent performance
2	=	good	=	Performance significantly exceeds the requirements
3	=	satisfactory	=	Performance meets average requirements
4	=	sufficient	=	Performance still meets the requirements despite its deficiencies
5	=	insufficient	=	Performance no longer meets the requirements due to considerable deficiencies

For a differentiated evaluation of the examination performance, intermediate values can be formed by increasing or decreasing the grade by 0.3, for instance: 1.3, 1.7, 2.3, 2.7, 3.3, 3.7. This excludes grades 0.7, 4.3, 4.7, and 5.3.

(3) The grade is:

with a value from	1,0 to 1,5	=	Very good
with a value from	1,6 to 2,5	=	Good
with a value from	2,6 to 3,5	=	Satisfactory
with a value from	3,6 to 4,0	=	Sufficient
with a value from	4,0	=	Insufficient

(4) If a final module examination or only a partial module examination is required in a module, the final module examination or the partial module examination forms the grade for this module. If several partial

module examinations are to be completed in a module, the module grade is calculated as the arithmetic mean of the individual partial module examination grades weighted according to ECTS points. Each of the individual partial module examinations must be evaluated with at least the grade "sufficient" (4.0). When calculating the module grade, only the first digit after the decimal point is considered (without rounding).

§ 18 Repetition of course-related examinations

- (1) Course-related examinations evaluated with the grade "insufficient" (5.0) or deemed as failed can be repeated once. In addition, a maximum of five failed examinations may be repeated a second time provided that no more than two of these are in the fundamental modules (§ 7, paragraph 2) and no more than four are in the mandatory and compulsory elective modules (§ 7, paragraphs 3 and 4).
- (2) The retake examination must always be taken in the semester following the failed exam and usually takes place during the regular examination dates. If there is no possibility of retaking the exam in the semester following the failed exam, the retake exam can also be taken in the semester after next. If the deadline for taking the repeat examination is missed, the repeat examination is considered failed unless the missing of the examination is not the student's fault.
- (3) As a rule, at least four weeks must pass between the failure notification and the retake examination. If the failed examination was taken no later than six weeks before the start of the lecture period of the following semester and if passing the repeat examination is a prerequisite for admission to a course-related examination or for participation in the course of the following semester, the student shall, upon request, be allowed to take the retake examination in due time so that, in case of passing, he/she can be admitted to the examination of the following semester or can participate in the course.
- (4) Before the last repetition attempt of a failed examination, the student must be given the opportunity, upon request, to attend the course(s) of the respective examination again.
- (5) The repetition of passed course-related examinations is not permitted.
- (6) Section 22 remains unaffected.

§ 19 Registration and Admission to the Master's Thesis

- (1) Students are admitted to the master's thesis if they:
 1. are enrolled in the continuing education program Master of Science Solar Energy Engineering at University of Freiburg,
 2. have acquired a total of at least 210 ECTS credits in the context of the first degree leading to a professional qualification and the course of study in the Master of Science Solar Energy Engineering continuing education program, plus have successfully completed mandatory modules with a scope of at least 18 ECTS credits according to § 7 paragraph 3,
 3. have not conclusively failed an examination in the Master of Science Solar Energy Engineering continuing education program or in the equivalent program, or have not lost their examination rights,
 4. are not currently engaged in an examination procedure in the same or a related course of study with essentially the same content at another university, and
 5. have applied for admission to the Master's thesis in due form and time.

In justified cases, the Admission and Examination Board may also admit students who have not yet achieved the number of ECTS points required by (1) no. 2 to the Master's thesis. (1) No. 3 does not apply if the reason for the loss of the examination right is the conclusive failure of an examination that lies outside the examination areas of this degree program.

- (2) The application for admission to the Master's thesis and application for the Master's thesis topic assignment must be submitted to the Admission and Examination Board by the student in written form. The following documents must accompany the application:
 1. evidence that the student fulfills the admission requirements according to paragraph 1 (1), numbers 1 and 2; and
 2. a declaration on whether the student has, in the advanced program of Solar Energy Engineering or in a related program covering essentially the same material, failed an exam with no option to retry and has not lost their right to be examined in this or a related program.
- (3) The application for admission to the master's thesis should be submitted no later than 12 months after passing the last course-related examination.

(4) The Admission and Examination Board decides on admission to the Master's thesis. Admission may only be denied if the requirements specified in paragraph 1 are not met. The student must be informed about the decision in written form within one month. A refusal of admission must be justified and accompanied by an appeal notice.

(5) Admission will be revoked if, at the time the work is being carried out, or when the Master's thesis is submitted, the student is no longer enrolled in the advanced program of Solar Energy Engineering at the University of Freiburg or is on leave for a good reason.

(6) Admission may be withdrawn if it was obtained by false information or if circumstances occur or become known, which would have led to admission being denied.

§ 20 Master's Thesis

(1) The master's thesis is a written examination in which the student should demonstrate that he/she can independently work on a topic from the subject area of solar energy engineering within a specified period of time using scientific methods and present the results appropriately.

(2) The Master's thesis is worth 15 ECTS credits. The topic and supervision shall be based on the workload of the master's thesis. The duration of the Master's thesis is 6 months. In justified individual cases, the Admission and Examination Committee may extend the duration of the thesis by a maximum of 3 months upon written request. Requests must be submitted promptly and must be received by the Admission and Examination Board before the end of the processing period. If the reason for the extension is based on the task of the Master's thesis, the Admission and Examination Committee decides in consultation with the supervisor of the Master's thesis. In case of illness of the student, a medical certificate must be attached to the application, which contains the medical facts necessary for the assessment; in cases of doubt, a certificate from a doctor appointed by the Admission and Examination Committee may be required. § 33 remains unaffected.

(3) The topic of the Master's thesis is set by an examiner, according to § 28 paragraph 1 sentence 1, who is a member of the Faculty of Engineering; this person is thus obliged to supervise the Master's thesis. With prior approval by the Admission and Examination Committee, the topic, supervision, and subsequent assessment of the Master's thesis may also be carried out by a university lecturer, an associate professor, or a private lecturer who is not a member of the Faculty of Engineering or University of Freiburg. In that case, the topic must be set in agreement with a university lecturer, an associate professor, or a private lecturer who belongs to the Faculty of Engineering and is active in research and teaching in the Master of Science Solar Energy Engineering program. The student must be allowed to make suggestions for selecting the topic and the supervisor. There is no legal claim right to the appointment of a specific supervisor. No later than two weeks after the examiner has set the topic, the student must apply to the Admission and Examination Board for the assignment of the topic of the Master's thesis. Upon request, the Chairperson of the Board will ensure that the student receives a topic no later than four weeks after submitting the application. The Board assigns the topic of the Master's thesis and appoints the supervisor. The assignment of the topic to the student, stating the deadline for submission, is made together with the notification of admission to the Master's thesis. The topic and the date of issuance of the master's thesis are to be part of the records. The deadline for completing the master's thesis starts with the topic assignment.

(4) The topic of the master's thesis can only be withdrawn once and only within the first four weeks of the processing period. A new topic must be submitted within four weeks and assigned to the student.

(5) The Master's thesis must be written in English. The Admission and Examination Board may, upon request of the student, allow the Master's thesis to be written in another language if the evaluation is ensured. The application must be submitted with a statement by the designated supervisor at the latest with the application for admission to the Master's thesis. If the master's thesis is not written in English, it must contain an abstract in English as an appendix.

(6) The student must submit the Master's thesis to the Admission and Examination Board within the deadline (Paragraph 3, Sentence 8) in printed and bound form in a single copy and additionally in electronic form on the specified data carrier system in the specified file format; the Admission and Examination Board may determine in general or in individual cases that the Master's thesis is to be submitted exclusively in electronic form. The date of submission must be indicated on the file. In the case of data or software-related work, the submission of the program codes and data used may also be required. If the Master's thesis is submitted by mail, the student is responsible for providing proof of mailing; the postmark date is considered the date of submission. Upon submission, the student must certify in writing that:

1. he/she has written the submitted Master's thesis independently,

2. he/she has not used any sources or aids other than those indicated and has identified all content taken from other works, either verbatim or in meaning, as such,
3. the Master's thesis submitted has not been or is not the subject of another examination procedure, neither in its complete form nor in essential parts,
4. the electronic version of the submitted master's thesis is identical in content and formatting to the printed paper copies, and
5. the master's thesis has not yet been published.

If the master's thesis is submitted exclusively in electronic form, the declaration, according to sentence 5, must be submitted in text form.

If the students do not submit the Master's thesis within the deadline, it will be considered as failed and will be graded "not sufficient" (5.0) unless they are not responsible for exceeding the deadline. The Admission and Examination Board shall decide on this at the student's request.

(7) The Master's thesis must be evaluated within six weeks by two examiners by § 28 Paragraph 1 Sentence 1, at least one of whom must be a member of the Faculty of Engineering. The first examiner is usually the supervisor of the Master's thesis; the Admission and Examination Board appoint the second examiner in consultation with the first examiner. If the first examiner is a member of the Faculty of Technology, the Admission and Examination Board may appoint a university lecturer, an associate professor, or a private lecturer who is not a member of the Faculty or University of Freiburg as the second examiner. The examiners independently evaluate the Master's thesis with one of the grades mentioned in § 17 (2). The grade of the Master's thesis is the arithmetic mean of the two individual evaluations; § 17 paragraph 4 sentence 4 applies accordingly. If the assessments of the two reviewers differ by at least two grade levels, the Admission and Examination Board shall appoint a third reviewer by § 28 Paragraph 1 Sentence 1. The third reviewer shall define as grade one of the grades assigned by the other two reviewers or an intermediate grade by § 17 Paragraph 2. The third examiner, according to § 28 paragraph 1 sentence 1, may only be a member of the Faculty of Technology or a university lecturer, associate professor, or private lecturer of another faculty or another university.

§ 21 Master's colloquium

- (1) Admission to the Master's Colloquium is granted to those who have
 1. submitted the Master's thesis and
 2. still fulfills the requirements according to § 19 paragraph 1.

The application for admission to the master colloquium should be submitted no later than one month after passing the master's thesis.

(2) The master colloquium has a total duration of approximately 60 minutes. It consists of an approximately 20-minute presentation by the student on the master thesis and a subsequent technical discussion on the master thesis and related issues from the field of solar energy technology. 3 ECTS points are awarded for the master colloquium.

(3) The master colloquium is usually conducted and evaluated by the supervisor of the master thesis. It is conducted in English and is open to the faculty. If there are important reasons, the public can be excluded; in this case, the master's colloquium will be conducted in the presence of an examiner; § 11 paragraph 4 applies accordingly.

§ 22 Repetition of the Master's Thesis and the Master's Colloquium

(1) A Master's thesis that has been evaluated with the grade "not sufficient" (5.0) or is considered failed can be repeated once. The application to repeat the Master's thesis and to assign a new topic for the Master's thesis must be submitted in written form to the Admission and Examination Board within one year after the examination notice has been declared. In case of a missed deadline, the examination right expires unless the student is not responsible for the missed deadline. § Section 20 (3) shall apply accordingly.

(2) The topic of the Master's thesis can be returned in a repeat attempt only if the student did not use the option to return the topic when preparing the failed Master's thesis.

(3) A Master's colloquium that has been assessed with the grade "insufficient" (5.0) or is deemed as failed may be repeated once. The repeat examination must be taken within one month of the announcement of the examination result. Failure to meet this deadline will result in the expiration of the examination right unless the student is not responsible for the failure.

§ 23 Passing and failing of course-related examinations

- (1) A course-related examination is passed if it has been assessed with at least the grade "sufficient" (4.0).
- (2) If a course-related examination has not been passed or is deemed as failed, the Admission and Examination Board shall issue a written notification to the student stating whether the examination can be repeated and, if so, within what period. An appeal notice shall accompany the decision.
- (3) A course-related examination is conclusively failed if the student has neither passed the initial examination nor one of the associated repeat examinations. Consequently, the student's admission to the Master of Science in Solar Energy Engineering will be canceled.
- (4) A written assessment that is evaluated by one examiner only must be evaluated by a second examiner designated by the Admissions and Examinations Board if the first examiner gave it the grade "insufficient" (5.0) and this assessment would result in the conclusive failure of the examination in question. If the second examiner evaluates the examination with at least the grade "sufficient" (4.0), the Admission and Examination Board shall appoint a third examiner who shall set as grade one of the grades awarded by the other two examiners or an intermediate grade by § 17 paragraph 2.

§ 24 Calculation of the overall grade of the Master's examination

- (1) The overall grade of the Master's examination is calculated as the arithmetic mean of the module grades weighted according to ECTS points. To calculate the overall grade, § 17 paragraph 3 and paragraph 4 sentence 4 apply accordingly.
- (2) If all module grades are "very good" - 1.3 or better - or if the overall grade of the Master's examination is 1.0, the degree "with distinction" is awarded.

§ 25 Master's Certificate and Diploma

- (1) Based on the successful completion of the Master's examination, the student receives, normally within four weeks, a certificate in English confirming the award of the academic degree according to § 3. The Master's certificate is signed by the Dean of the Faculty of Technology and the Chairperson of the Admission and Examination Board and bears the seal of University of Freiburg. It bears the date of the last study or examination performance.
- (2) The academic degree may only be awarded after the Master's certificate has been issued.
- (3) At the same time as the Master's certificate, the student shall receive a certificate in English showing the topic and grade of the Master's thesis as well as the overall grade of the Master's examination, including a decimal grade. The certificate bears the date of the Master's certificate, is signed by the Chairperson of the Admission and Examination Board, and bears the seal of University of Freiburg. Upon the student's request, a German translation shall be attached to the certificate and the Master's degree certificate.
- (4) In addition to the certificate, the examination office issues a transcript of records in English, which shows all modules completed during the master's program, the associated module examinations, and course credits, including the grades or assessments and ECTS points awarded for them. Modules and courses as well as the associated coursework and examinations that are not included in the Master's examination, are listed for information purposes. The performance overview also shows the ECTS grading table of the overall grade of the Master's examination. For this purpose, the total grades of the Master's examination awarded in the Master of Science Solar Energy Engineering continuing education program from the past six semesters are recorded, and their numerical as well as their percentage distribution among the grade levels by § 17 paragraph 2 sentence 1 is determined and presented in a table (ECTS grading table). The performance overview is signed by the Chairperson of the Admission and Examination Board or the head of the Examination Office and bears the seal of University of Freiburg. Upon the student's request, the transcript of records shall also be issued in German.
- (5) The Examination Office also issues a Diploma Supplement in English. In addition to personal details of the student, this contains information on the type and level of the degree, the status of University of Freiburg as well as detailed information on the study program of the Master of Science Solar Energy Engineering continuing education program. The Diploma Supplement is issued with a reference to the original documents. In the last section, the Diploma Supplement contains a uniform description of the German university system. §4 (4) applies accordingly.

§ 26 Notification and certification in the event of failure of the Master's examination

- (1) Students who have conclusively failed their Master's examination are notified of this in writing, which must be accompanied by an appeal notice.
- (2) If the student has conclusively failed his or her Master's examination, a certificate is issued upon request. The certificate includes passed examinations, completed coursework with the assigned ECTS credits and grades, and the determined final failure of the Master's examination.

III. Examination Bodies and Conduct of Examinations

§ 27 Admission and Examination Board

- (1) The Admission and Examination Board is appointed by the Faculty of Engineering of University of Freiburg. Three university teachers from the Faculty of Engineering who regularly teach courses in the Master of Science Solar Energy Engineering program are appointed members. One university lecturer must also work at the Fraunhofer Institute for Solar Energy Systems. One of the other two university lecturers may be replaced by an associate professor, a private lecturer, or an academic staff member authorized to conduct examinations who works full-time at the Faculty of Engineering and regularly teaches courses in the Master of Science Solar Energy Engineering continuing education program. For each member of the Admission and Examination Board, a substitute is appointed. At the same time, it is determined who will chair the committee and how the other members will represent the chairperson. The chairperson of the Admission and Examination Board must belong to the group of professors. The members and their substitutes are appointed for a term of three years; reappointment is permissible.
- (2) The Admission and Examination Board is responsible for organizing examinations and the tasks assigned by these Study and Examination Regulations. The board ensures that the terms and conditions of study and examination regulations are followed and makes the necessary decisions. The Admission and Examination Board shall be assisted in the performance of its duties by the Examination Office. The Admission and Examination Board reports regularly to the Study Commission of the Faculty of Engineering on the development of study and examination practice and makes suggestions for the revision and update of these Study and Examination Regulations as appropriate.
- (3) The Admission and Examination Board deliberates and passes resolutions in a properly convened and conducted meeting. It constitutes a quorum if all members are present and entitled to vote. Resolutions are passed by a simple majority; in the event of a tie, the chairperson or his/her deputy has the decisive vote. The meetings of the Admission and Examination Board are not public. In addition to meetings, resolutions may also be passed in writing, by fax, by e-mail, or by other means if the Admission and Examination Board members agree on this. Online meetings may only be held by the provisions of §10a of the State University Act.
- (4) The Chairperson conducts the regular business of the Admission and Examination Board and represents it externally. The Admission and Examination Board may revocably delegate the execution of certain tasks to the chairperson or his/her deputy; this does not apply to the decision on appeals. In all other cases, the chairperson is authorized to make decisions on his/her own that cannot be postponed instead of the Admission and Examination Board; he/she must inform the Admission and Examination Board of this without delay.
- (5) The Admission and Examination Board members are subject to official confidentiality. If they are not state employees, the Chairperson must pledge them to maintain confidentiality.
- (6) The Admission and Examination Board members have the right to attend the examinations.

§ 28 Examiners and supervisors

- (1) Examiners can only be authorized persons with at least the qualification to be determined by the examination or an equivalent qualification. University teachers, dismissed professors, retired professors, honorary professors, associate professors, and private lecturers of University of Freiburg and the Eucor partner universities as well as academic employees of University of Freiburg to whom the examination authority has been delegated, are authorized to examine. Visiting professors and lecturers of University of Freiburg as well as persons to whom the examination authority has been delegated by paragraph 2, are also authorized to examine. Examiners must be persons with professional knowledge who have at least a Master's degree in the subject to which the material examined belongs, or they must have an equivalent qualification.
- (2) For the transfer of examination authority to academic staff members of the Eucor partner universities, the procedural principles for the transfer of examination authority to academic staff members under Section

52, Paragraph 1, Sentence 5 and Sentence 6, Half-Sentence 2 of the State University Act (Landeshochschulgesetz), in the respective applicable version, shall apply.

(3) The Admission and Examination Board appoints the examiners and the assessors. It may delegate the assignment of the examiners to the chairperson. The appointment of the assessors can be delegated to the respective examiners.

(4) Insofar as examinations are taken in connection to individual courses, the examiner is usually the head of the respective course, subject to the regulations in paragraph 1.

(5) The examiners and assessors are subject to official confidentiality. If they are not in public service, they must be pledged to confidentiality by the chairperson of the Admission and Examination Board.

§ 29 Recognition of periods of study, academic achievements, and examination results

(1) Prior studies, coursework, and assessment completed in degree programs at state-administered or state-recognized institutions of higher education and Universities of Cooperative Education in the Federal Republic of Germany or in degree programs at state-administered or state-recognized institutions abroad or within the framework of contact studies will be recognized unless the competencies thus obtained are not equivalent.

(2) Prior studies, coursework, and assessment may also be documented by successful participation in a state-recognized distance learning program if the units taught in the distance learning program are equivalent in content to those taught in on-campus programs.

(3) Coursework and assessment completed in the program, which was a requirement for admission to the advanced program of Master of Science in Solar Energy Engineering, may not be recognized within the advanced program of Master of Science in Solar Energy Engineering.

(4) Equivalency of skills obtained must be established if they correspond significantly to the skills they are meant to replace - the skills which are proven in studies, coursework, and assessment in the advanced program of Master of Science Solar Energy Engineering at the University of Freiburg. In establishing equivalency, the comparison may not be schematic; an overall review and full assessment must be carried out. The decision on recognition of prior studies, coursework and assessment completed at institutions of higher education outside of Germany must be in accordance with the equivalency agreements approved by 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 as well as agreements within the framework of partnerships between institutions of higher education. If there are doubts about equivalency, the relevant authority (Zentralstelle für ausländisches Bildungswesen) may be consulted.

(5) The recognition of study periods, academic achievements and examinations serves the continuation of studies and the completion of examinations.

(6) The Admission and Examination Board decides on the recognition of study periods, academic achievements, and examinations upon the student's request, in cases of doubt, after hearing the responsible subject representative authorized to conduct examinations. The decision on recognition is to be communicated to the student. A negative decision must be justified in writing and accompanied by an appeal notice.

(7) The student's responsibility is to provide the necessary information about the achievements to be recognized. The evidence required for recognition should be submitted by the student to the Admission and Examination Board by the end of the semester following enrollment in the Master of Science Solar Energy Engineering program at University of Freiburg or by the end of the semester following the acquisition of the relevant course and examination credits. In case certificates and other proofs are not issued in German, English, or French, the submission of an officially certified translation in German may be required.

(8) If academic and examination achievements are recognized, the grades are to be adopted to the extent that the grading systems correspond and are included in the calculation of the module grades and the overall grade in accordance with these examination regulations. If the grading systems do not match, the Chairperson of the Admission and Examination Board shall determine a grade for the recognized examination performance based on the grading levels by § 17, paragraph 2, and proceed according to sentence 1. If it is impossible to determine a grade by sentence 2 due to the differences in the grading systems, the remark "passed" is included; this is not included in the calculation of the module grades and the overall grade. Sentences 1 and 2 apply accordingly to the allocation of ECTS credits. Recognized academic and examination achievements will be marked as such in the transcript of records if they have been taken at another university. The Admission and Examination Board decides on identifying academic and examination achievements completed at University of Freiburg. The burden of proof that the requirements for the recognition of academic and examination achievements have not been met lies with the Admission and Examination Board.

(9) As part of the recognition process, students switching from another institution of higher education or entering the program from outside the discipline must present a declaration on whether they have, in the advanced program of Master of Science in Solar Energy Engineering or in a comparable or related program covering essentially the same material, failed a Master's examination process or another course-related exam with no option to retry or lost their right to be examined or are involved in a current examination process.

(10) Knowledge and skills obtained outside the higher education system will be recognized if these competencies are equivalent as defined by paragraph 4; they may not replace more than half of the required studies in a degree program. This may mean that practical skills obtained outside of the higher education system may be counted towards Research Methods and Projects module, which students must complete according to section 7, paragraph 3. Paragraphs 6 and 7 apply accordingly.

§ 30 Withdrawal from examinations

(1) If a student fails to attend the exam or does not take it on time, this counts as a withdrawal from the exam.

(2) If a student is prevented from taking an examination on time due to illness or for another important reason, the withdrawal shall be allowed upon written request. The student shall submit the request to the Admission and Examination Board without delay, stating the reason for withdrawal and enclosing appropriate evidence. In the case of illness, a medical certificate containing the medical facts necessary for assessing the inability to take the examination must be enclosed with the request. In justified cases, the Admission and Examination Board may require submitting a medical certificate from an appointed doctor. Withdrawal will not be approved if, at the time the student became unable to take the exam, he/she had submitted other pieces of assessment whose grades render the examination process unpassable.

(3) If the student takes an exam either aware or negligently unaware of a good reason as defined by paragraph (2), a withdrawal for that reason cannot be approved. Negligent unawareness might be in particular if the student did not act to clarify any indications of a health impairment at the earliest possible opportunity. No good reason for withdrawal may be claimed later than one month following the conclusion of the exam.

(4) If a withdrawal is approved by the admissions and examinations board, the exam counts as never taken and the registration for it - and in the case of a first exam, the admission to the exam - counts as never effected; in the case of admission to the examination process, previously documented coursework is usually recognized in the case of re-registration for the examination process.

If the withdrawal is not approved, the course-related examination counts as failed and is given a grade of "insufficient" (5.0). The decision on an application for approval of a withdrawal must be given in writing.

§ 31 Deception, breach of regulations

(1) If a student attempts to influence the result of an exam or piece of assessment to his/her or someone else's advantage using deception or the use of unauthorized resources or by influencing an examiner, the relevant exam or piece of assessment will be given a grade of "insufficient" (5.0) or "failed", as applicable. The mere possession of unauthorized resources during written exams and assessments is considered an attempt to use deception.

(2) If there is a suspicion of carrying inadmissible aids, the student must cooperate in the clarification and hand over the aids. If he/she refuses to cooperate or to hand over the aids despite being requested to do so, the examination performance will be graded as "insufficient" (5.0), or the course performance will be graded as "failed".

(3) If a student disrupts the proper conduct of an examination, he/she may be excluded from continuing the examination or course work by the respective examiner or supervisor, as a rule, after prior warning. In this case, the examination performance will be assessed with the grade "insufficient" (5.0) or the course performance as "failed".

(4) In serious or repeated cases, according to paragraphs 1 or 3, the Admission and Examination Board may exclude the student from performing individual or all further academic and examination achievements. In less serious cases, the grade of the examination performance or the study performance may be reduced, or the imposition of a sanction may be waived.

(5) If it subsequently transpires that the requirements of Paragraph 1 were met, the Admission and Examination Board may revoke the examination decision issued and take the measure specified in Paragraph 1, Sentence 1. If the Master's certificate and transcript had already been issued at the time of the withdrawal,

they must be confiscated. Withdrawal is excluded if more than five years have passed since the completion of the examination. If (in the case of a piece of academic work) it transpires within one year of its assessment and before the Master's certificate is issued that the requirements of Paragraph 1 were met, the grade for the piece of academic work may be reduced, or the piece of academic work may be assessed as "failed".

§ 32 Compensation for disadvantages

(1) In the case of students with health impairments that are chronic or otherwise not temporary and which complicate their completion of the assessment, the admissions and examinations board may, upon written application, take appropriate measures to compensate for the impairments; such students must nevertheless demonstrate abilities required within the scope of the assessment. Compensation measures taken may be, in the case of written exams, an extension of the exam time, rest periods that are not counted towards the exam time, or permitting the use of personal or material resources.

(2) Before the admissions and examinations board decides under paragraph (1) in disputed cases, it must consult the university's representative for students with disabilities or chronic illnesses if the student agrees.

(3) Applications for disadvantage compensation must be lodged upon registration for a module examination or at the latest one month before the relevant module examination. The impairment must be summarized by the student and accompanied by a doctor's certificate detailing the medical indications required for an evaluation.

(4) In cases in which the completion of the assessment is complicated by health impairments that are chronic or otherwise not temporary, the provisions under paragraphs (1) to (3) apply accordingly.

IV. Final regulations

§ 33 Protective regulations

(1) The protection periods of the Act on the Protection of Mothers at Work, in Training and in Studies (Mutterschutzgesetz - MuSchG) of May 23, 2017 (BGBl. I p. 1228), as amended, are considered, and the exercise of the corresponding rights of declaration and revocation by the student is guaranteed. Maternity leave periods shall interrupt any period under these Study and Examination Regulations.

(2) Upon application, the periods of parental leave shall be considered by Section 15 (1) to (3) of the Act on Parental Allowance and Parental Leave (Federal Parental Allowance and Parental Leave Act - BEEG) as published on January 27, 2015 (BGBl. I p. 33), as amended. The student must notify the Admission and Examination Board in writing of the period for which he/she wishes to take parental leave, enclosing the necessary evidence, no later than four weeks before the date from which he/she wishes to take parental leave. The Admission and Examination Board must check whether the legal requirements exist that would trigger a claim for parental leave in the case of employees and inform the student of the result and, if applicable, of the newly set examination deadlines. The time required to complete the Master's thesis cannot be interrupted by parental leave. The topic given to the student shall be deemed not to have been assigned. After parental leave has expired, the student will be given a new topic for the master's thesis.

(3) Recourse to the protection provisions for the care of a close relative as defined by § 7 paragraph (3) under the law governing nursing care periods (Pflegezeitgesetz of 28 May 2008 (BGBl. I p. 874, 896) as amended) when that relative is in need of care as defined by sections §§ 14 and 15 of Book Eleven of the Social Code (SGB XI of 26 May 1994 (BGBl. I p. 1014, 1015) as amended) is permitted.

(4) Students who have a child or dependents in need of care as defined in Paragraph 3 may, if their special needs require it, deregister from the relevant initial or repeat examination even after the registration or deregistration deadline for an examination has expired. The application for deregistration must be submitted to the Admission and Examination Board by the beginning of the examination at the latest, stating the reasons which prevent the student from taking the examination on the set date and enclosing suitable evidence. If the student cannot provide the evidence or cannot provide it in time, the application must be accompanied by a statement in which the student assures the accuracy of his/her information. If the declaration proves to be untrue, § 31 shall apply accordingly. The Admission and Examination Board is entitled to require the submission of appropriate evidence even after its decision has been made. The Admission and Examination Board shall decide whether special needs require deregistration. If the request for deregistration is rejected and the student does not take the exam in question, the exam is considered failed. If the request is granted, the registration and any admission already granted shall be deemed not to have been made when the student deregisters from an initial examination. For repeat examinations, the Admission and Examination Board shall determine whether a new registration is required or whether the registration for the initial examination is at the same time deemed to be a conditional registration for the associated repeat examinations. If a new registration is required, the deadlines and formal requirements applicable to

this shall be determined by the Admission and Examination Board and announced to the student in a suitable manner in due time.

(5) If a student misses a set examination date due to the special needs of a child to be cared for or a dependent in accordance with paragraph 3, he/she may request that he/she be allowed to take the examination in question at another time; in the case of an approved withdrawal, the request may also be made after the set examination date. The relevant supporting documents must be submitted with the request. The decision shall be made by the Admission and Examination Board in consultation with the examiner, considering the necessary effort on the part of the examiner and the Examination Office as well as the time advantage for the student of being allowed to take the missed examination before the next examination date set for all students. § Section 30 remains unaffected.

§ 34 Inspection of Examination Records and Storage of Examination Files

(1) Within six weeks after the announcement of the grades of academic and examination achievements, the student may apply to the Examination Office to inspect the relevant examination documents. The inspection shall be granted in an appropriate manner within four weeks of the application.

(2) The complete examination files shall be kept for at least five years. The basic file, which consists of copies of the Master's degree certificate, the transcript of records, and the Diploma Supplement, shall be stored for an unlimited period; storage may be in electronic form.

§ 35 Tuition Fees

Tuition fees are charged according to the statutes of the University of Freiburg on the charging of tuition fees for the continuing education program Master of Science Solar Energy Engineering.

§ 36 Effective date and transitional arrangements

(1) These study and examination regulations are effective as of October 1, 2021. At the same time, the study and examination regulations of University of Freiburg for the Master of Science Solar Energy Engineering postgraduate program of June 30, 2016 (Official Announcements Jg. 47, No. 46, pp. 264-280) shall expire.

(2) Students already enrolled in the Master of Science Solar Energy Engineering program before October 1, 2021, may complete their studies in accordance with the study and examination regulations of University of Freiburg for the Master of Science Solar Energy Engineering continuing education program dated June 30, 2016, until September 30, 2025 (cut-off date) at the latest.