

Care was taken to ensure the text of these regulations is accurate and up-to-date; the present version may nevertheless contain errors. The official, legally binding version can be viewed in the Examinations Office, the Student Advising Office, or online at <https://www.amtliche-bekanntmachungen.uni-bayreuth.de/de/>. Please note the effective dates of the amendments.

Examination and Study Regulations
for the Master's Programme
Environment, Climate Change & Health
at the University of Bayreuth
dated 25 April 2022
as amended on 15 March 2023

Article 13 para 1 sentence 2 in conjunction with Article 58 para 1 sentence 1 and Article 61 para 2 sentence 1 of the Bavarian Higher Education Act (*BayHSchG*) forms the framework for the following regulations issued by the University of Bayreuth.

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§ 1

Purpose of the master's examination

¹The master's examination as the conclusion of the scientific studies in the master's programme Environment, Climate Change & Health determines whether the candidate has demonstrated the following skills and acquired the subject-specific knowledge provided for in the present regulations:

1. an in-depth specialist and methodological understanding of natural and health sciences, including an understanding of nutrition, economics, ethics, law, and cultural and social sciences;
2. the ability to use this knowledge to solve complex interdisciplinary problems in the field of environment and health with an integrative, interdisciplinary approach;
3. the ability to carry out independent scientific work in the above-mentioned field.

²At the same time it determines whether the candidate possesses the requisite understanding of subject-related and interdisciplinary connections to pursue further independent academic research.

³The master's programme Environment, Climate Change & Health (including all examinations) is conducted in English. ⁴The University of Bayreuth, by way of the Faculty of Law, Business & Economics awards the academic degree "Master of Science" (abbreviated as M.Sc.).

§ 2

Admission to the programme; qualification

(1) Admission prerequisites for the master's programme are as follows.

1. a degree from a higher education institution with at least the examination grade "good" (2.5) in a bachelor's programme comprising at least 180 credit points, e.g. in economics, natural sciences, social sciences and health sciences or health economics or nursing or philosophy and economics or psychology or politics or medicine or public health or a teacher education programme to teach at public schools (bachelor's, first state examination, master's) whereby a total of at least 30 credit points must be in health sciences and/or natural sciences, or a degree equivalent thereto;
2. proof of German language skills at level A1 or better of the Common European Framework of Reference for applicants who neither earned their higher education entrance qualification nor an initial degree in the German language; Applicants who do not meet this requirement will be enrolled on the condition that they submit the proof of the required German language proficiency by the end of their second semester of study at latest.
3. proof of English skills at level C1 or better of the Common European Framework of Reference for Languages for applicants who neither earned their higher education entrance qualification nor their initial degree in the English language.
4. evidence of having passed the aptitude assessment process described in Annex 2.

(2) ¹The qualifications may not differ substantially in terms of the earned competences (learning outcomes) from the qualifications referred to in para 1 number 1. ²If there are substantial

compensable differences, applicants may be admitted subject to the proviso that, in addition to the assessment components to be completed in the master's programme, they also successfully complete coursework and examinations in the amount of up to 20 credit points in the health sciences and/or natural sciences by the end of the second semester of study at latest; otherwise, the prerequisites for admission to the programme are deemed not to have been fulfilled. ³Art. 86 BayHIG applies to determining the eligibility of domestic and foreign degrees. ⁴Such decisions as described in sentence 1 to 3 are to be made by the board of examiners established according to § 5.

- (3) ¹If the relevant initial degree certificate is not yet available, confirmation containing the individual grades for all examinations and courses up to the registration deadline must be submitted. ²Such coursework must amount to at least 150 ECTS points and correspond to a final grade of "gut" (2,5) or better. ³Applicants who fulfil the requirements of sentence 2 are to be enrolled on the condition that they submit the relevant degree certificate with a grade of "good" (2,5) or better by the end of the first semester of study.
- (4) Students who are enrolled in the master's programme and Environment, Climate Change & Health are considered *ipso facto* to be admitted to the examinations.

§ 3

Structure of studies; standard period of study

- (1) The standard period of study is four semesters, including the examination periods and the master's thesis.
- (2) A total of 120 credit points must be earned in accordance with the European Credit Transfer System (ECTS).
- (3) New students must begin the programme in the winter semester.

§ 4

Components of the programme of study

- (1) The master's programme Environment, Climate Change & Health is divided into modules and consists of the module areas and modules listed in the annex.
- (2) ¹One required component is completion of an internship totalling 12 weeks in a career-relevant field, generally not at the University. ²The time frame for carrying out the internship, generally to be scheduled during the semester break, is geared towards the requirements of the hosting institution and is to be organized by the student independently. ³It is possible to divide up the twelve weeks. ⁴The relevant hosting institution is to provide certification of the type of internship and its duration. ⁵A detailed 10-page internship report must be prepared on the internship activities or a presentation in accordance with § 11 para 10 sentences 1 to 7. ⁶The form of examination shall be determined by the examiner.

§ 5

Board of examiners

- (1) ¹A board of examiners shall be formed to make the necessary decisions with regard to the admission to the master's programme and the organizational execution of the master's examination. ²The board of examiners shall administer the examination proceedings in accordance with the present regulations and make all decisions with the exception of the examinations and the assessment thereof. ³The board is made up of a chair and two additional members; the chair and the additional members shall each have one substitute. ⁴The members of the board of examiners and their substitute representatives shall be elected by the faculty council of the Faculty of Law, Business & Economics (two members) and by the faculty council of the Faculty of Biology, Chemistry & Earth Sciences (one member) from among the professors (Art. 57 para 1 BayHIG) of the relevant faculty for a period of five years. ⁵The board of examiners shall elect a chair and deputy chair from among its members.
- (2) ¹The board of examiners constitutes a quorum if the majority of members are present and entitled to vote after an invitation had been sent to all members at least three days prior to the meeting. ²The decisions taken by the board of examiners in its meetings are to be made on the basis of majority vote. ³Vote abstention, secret voting, and proxy voting are prohibited. ⁴If votes are equally divided among its members, the chair's vote shall be decisive.
- (3) ¹The chair of examiners shall ensure that the provisions of these regulations are followed. ²He or she shall convene the meetings of the board of examiners and shall act as chair of its proceedings and decisions. ³With regard to matters that cannot be postponed, he or she is authorized to make decisions on behalf of the board of examiners. ⁴He or she must promptly inform the other members of any such decision - at the next meeting at latest. ⁵In addition, unless otherwise provided by the present regulations, the board of examiners can transfer (until revoked) the right to perform other duties of the board to the chair. ⁶The chair can delegate tasks to members of the board of examiners.
- (4) The board of examiners shall regularly report to the faculty council of the Faculty of Law, Business & Economics concerning updates to examination schedules and study periods and may make suggestions for reforming the present regulations.
- (5) ¹Any notices the board of examiners issues under the terms of the present regulations are to be published together with a rationale and information concerning how to appeal. ²Notices of appeal shall be issued by the president in consultation with the board of examiners.

§ 6

Examiners and co-examiners

- (1) ¹Any person who is authorized to administer examinations at institutions of higher education according to 85 BayHIG or HSchPrüferV, as amended, may serve as examiner. ²Any member of the University of Bayreuth who is a graduate of an equivalent or comparable programme of study may serve as co-examiner.
- (2) ¹If a member of the University of Bayreuth who is an authorized examiner leaves the University, he or she may remain an examiner for a reasonable period. ²Authorization to administer examinations shall generally remain valid for up to three years.

- (3) ¹Unless otherwise decided by the chair of examiners, the relevant supervisor shall also serve as examiner. ²If that instructor is not authorized to administer examinations as laid out in sentence 1, the chair of examiners shall appoint an examiner at the beginning of the semester in which the examination is to be held.

§ 7

Disqualification due to personal involvement; confidentiality

- (1) Disqualification from consultation and voting on the board of examiners as well as other activities relating to examinations on the basis of personal involvement is governed by Article 51 para 2 BayHIG.
- (2) The non-disclosure obligation that holds for members of the board of examiners, as well as examiners, co-examiners, and anyone else involved in the examination process is governed by Article 26 para 2 BayHIG.

§ 8

Credit transfer

- (1) The recognition and crediting of competencies shall be determined in accordance with Art. 86 BayHIG.
- (2) ¹If credits are recognized for competencies, the grades are to be carried over and included when calculating the final grade, as long as the grading systems are analogous. ²If the grading system for the competencies to be transferred does not correspond to the grading system given in § 16, the grades received at the other higher education institution are to be converted using the Modified Bavarian Formula:
$$x = 1 + 3 * (N_{\max} - N_d) / (N_{\max} - N_{\min})$$
where x is the grade to be calculated, N_{max} is the highest possible grade, N_{min} is the highest passing grade, and N_d is the actual grade; in this calculation, the grade to be calculated is only given to one decimal place and is not adjusted to fit the grading scale given in § 16. ³If a conversion according to sentence 2 is not possible, the board of examiners shall determine a corresponding key for the grade conversion. ⁴If a grade is not available and cannot be determined, the remark "passed" will be entered; in this case, it will not be included in the calculation of the final grade. ⁵The board of examiners in consultation with the relevant representative from the subject area shall decide whether the requirements have been met for credit transfer. ⁶If credit transfer is denied, the person concerned can appeal the decision by submitting a request for the University Governing Board to review the decision within four weeks of notification of denial. ⁷The University Governing Board shall provide the board of examiners with a recommendation on how to proceed with the request.
- (3) recognition of credit requests are to be submitted to the board of examiners as soon as possible following enrolment and in any event prior to the commencement of the examination proceedings in the relevant module.
- (4) Paragraphs 2 and 3 shall apply mutatis mutandis to the crediting of competencies, subject to the maximum limit pursuant to Art. 86 para 2 Sentence 2 BayHIG.

§ 9

Times for holding examinations; announcing examination times and examiners

- (1) The module examinations are held promptly following the conclusion of the modules.
- (2) ¹If not listed in the annex, examination times and the duration of examinations shall be determined by the relevant examiner and announced university-wide at the start of the semester. ²An additional examination time may be scheduled for the beginning of the following semester. ³A change of examiner on short notice shall only take place if there are urgent grounds for doing so.
- (3) Students are to register for examinations by the published deadline, according to the process determined by the board of examiners.

§ 10

Elements of the examination

- (1) The master's examination comprises the module examinations listed in Annex 1 and the master's thesis.
- (2) The examinations serve to demonstrate that the examinee has satisfied the desired learning outcomes of the individual modules.

§ 11

Forms of examination

- (1) ¹Examinations are taken in the form of written examinations and/or oral examinations, work reports or an internship report, talks (presentations), term papers, research plans, essays, assignments during the semester or portfolio examinations. ²The possible forms of examination in the modules are given in Annex 1.
- (2) ¹Assessment of examinations is to be carried out according to the process announced by the board of examiners. ²Notifications will not be sent individually. ³Students are required to familiarize themselves independently with the terms of the present regulations pertaining to repeating examinations; they are responsible for informing themselves of examination results.
- (3) ¹If an examination is assessed by more than one examiner, the grade shall be determined by taking the average of the grades assigned and truncating (not rounding) the number to one decimal digit. ²In the case described in para 7, sentence 1 does not apply. ³If a written examination is assessed as "failed" or "unsatisfactory", it must be assessed by a second examiner.
- (4) ¹Written examinations are to be held over a period of at least one hour and no longer than two hours; the duration of the examination should be appropriate to the requirements of the corresponding course. ²The relevant examiner shall decide which resources may be used during the examination. ³A written record of the examination is to be made. ⁴The invigilator shall confirm the accuracy of the record by providing his or her signature. ⁵The examination record sheet is to include all aspects of the examination that are relevant to determining the grade.

- (5) ¹If a candidate arrives to the examination late, he or she shall not be given additional time to finish the examination. ²Candidates may leave the room during an examination if permission is granted by the invigilator. ³The time and duration of absence are to be noted on the question paper.
- (6) ¹Written examinations are generally graded by the examiner who was appointed by the chair of examiners. ²The relevant examiners are to determine the grades for performance in the individual examinations under the terms of § 16. ³An assessment of each written examination shall be provided no later than six weeks after the examination. ⁴One graded copy of the written examination shall remain in the records.
- (7) ¹Written examinations may be conducted fully or in part using multiple choice testing. ²If written examinations are conducted only in part using multiple choice testing, the terms of paragraphs 4 and 6 sentences 1 and 2 apply for the portion that is not multiple choice. ³The questions in the multiple choice section are to be written by the two examiners. ⁴Prior to the examination time, the examiner shall decide which answers are correct and how many points are to be awarded for each correct answer, i.e. how to weight correct answers in relation to the total points. ⁵If the written examination is conducted only in part by using multiple choice testing, weighting for the individual parts must also be stipulated. ⁶Grading of examinations may be carried out with the help of an optical mark sense reader.
- (8) ¹A multiple choice examination is considered passed, if the examinee achieves a certain absolute number of correct answers (at least 50% of the total points) or on a relative basis. ²The relative cut-off grade is to be determined by taking the average of the points achieved by those examinees taking the examination for the first time, less 10%. ³The relative cut-off grade is only to be taken into account if it is below the absolute cut-off grade. ⁴Cut-off grades that are not whole number values shall be rounded in favour of the student. ⁵An examination is considered passed if a grade of "ausreichend" [sufficient] (4,0) or better is achieved. ⁶If an examination is conducted using multiple choice testing and the lowest passing grade (the relative cut-off grade if it is below the absolute cut-off grade, otherwise the latter) or better is achieved, the grades shall be as follows:

1,0 ("sehr gut"/ very good), for 90% or better

1,3 ("sehr gut"/ very good), for at least 80% or better but less than 90%

1,7 ("gut"/ good), for 70% or better but less than 80%

2,0 ("gut"/ good), for 60% or better but less than 70%

2,3 ("gut"/ good), for 50% or better but less than 60%

2,7 ("befriedigend"/ satisfactory), for 40% or better but less than 50%

3,0 ("befriedigend"/ satisfactory), for 30% or better but less than 40%

3,3 ("befriedigend"/ satisfactory), for 20% or better but less than 30%

3,7 ("ausreichend"/ sufficient), for 10% or better but less than 20%

4,0 ("ausreichend"/ sufficient), if the pass mark is reached but less than 10%

of the possible points exceeding the minimum score have been achieved.

⁷Cut-off grades that are not whole number values shall be rounded in favour of the student. ⁸If the lowest passing grade (cut-off grade) is not reached, a grade of 5,0 ("nicht ausreichend"/

insufficient") is assigned. ⁹If an examination is conducted using multiple choice testing, the following details are to be included when determining the results:

- cut-off grades,
- grade achieved,
- percentage of the number of points exceeding the lowest passing grade or percentage of the number of points.

¹⁰If the examination is only carried out in part via multiple choice testing, grades shall be assigned for the individual parts. ¹¹In this connection, § 16 para 2 applies accordingly. ¹²The details above also apply to the multiple choice portion.

- (9) ¹Oral examinations are to be held over a period of 20 to 30 minutes, depending on the requirements of the particular course. ²Oral examinations are conducted in English, and are administered by two examiners or one examiner and one co-examiner. ³One examiner or the co-examiner shall complete an examination record sheet for the oral examination that includes the following: location, start time, and duration of the examination; examination subject-matter and results; names of the examiner and co-examiner; name of the candidate; and any noteworthy incidents. ⁴The record sheet is to be signed by the two examiners or by the examiner and co-examiner. ⁵The examiners are to determine the grades for performance in the oral examinations under the terms of § 16.
- (10) ¹Talks are to assess the candidate's ability to present and discuss the current state of scientific research in a subject in a comprehensible way. ²The topic is to be chosen by the relevant examiner. ³The duration of the talk can be 20 to 45 minutes and is determined by the examiner. ⁴Talks are to be graded by two examiners or one examiner and one co-examiner. ⁵Assessment by a second examiner may be omitted if none is available. ⁶A record sheet is to be filled out for each graded talk including the candidate's name, the names of the examiner(s) and co-examiner, the place, time, duration, subject matter, grade, and any noteworthy incidents during the presentation. ⁷The record sheet is to be signed by the two examiners or by the examiner and co-examiner. ⁸The grades for the talk are determined in accordance with § 16.
- (11) ¹In research reports, record of the experiments carried out in research internships and module internships are to be scientifically documented. ²The research report is usually evaluated by the examiner who supervises the research work. ³The grades for the research report are determined in accordance with § 16.
- (12) ¹In research plans, ideas are presented over the course of 10 to 20 pages concerning a given issue and experimental approach for a scientific project and submitted in written form. ²The terms of paragraph 11 sentence 2 and 3 apply *mutatis mutandis*.
- (13) ¹Term papers of 10-15 pages are written following the underlying course. ²The topic is to be assigned by the relevant examiner in consideration of the candidate's request. ³The time limit for term papers shall be 10 weeks. ⁴The topic of the work is to be such that it can be completed within this time limit. ⁵The chair of examiners may extend this deadline by up to one week at the request of the candidate and after having heard the supervisor in case of reasons beyond the candidate's control. ⁶If the candidate demonstrates via a medical certificate that he or she was unable to work on the paper, the deadline is to be extended accordingly. ⁷The written assignment and an electronic version must be submitted to the examiner no later than three weeks prior to the start of lectures the following semester. ⁸Theses that are not submitted by the stated deadline are

graded as "*nicht ausreichend*" ["unsatisfactory"]. ⁹The examiner shall determine the grade under the terms of § 16. ¹⁰One graded copy of the term paper shall remain in the records.

- (14) ¹Essays are a maximum of ten pages. ²The assignment of the topic and supervision are to be applied to this. ³The time limit from the topic to submission is to be decided by the supervisor when assigning the topic. ⁴The processing time may not exceed four weeks. ⁵The examiner shall determine the grade under the terms of § 16.
- (15) ¹Semester-accompanying assignments (e.g. completing exercise sheets) are set and prepared during the module. ²The examiner shall communicate the form and scope of the assignment to the students at the beginning of the course. ³The examiner shall determine the grade under the terms of § 16.
- (16) ¹In a portfolio examination of a module, mutually related performances (partial examinations) on the same examination subject are performed as specified by the examiners. ²The individual partial examination performances can be written, oral and/or practical performances (according to para 4 and 9-15), which in their entirety form the module examination for the module in question. ³The subject of the assessment of a portfolio examination shall be all partial examination performances in accordance with § 16 para 2; in deviation from this, the weighting of the partial examination performances may be as specified in the annex.

§ 12

Master's thesis

- (1) ¹The candidate's master's thesis should demonstrate that he or she is able to utilize relevant resources and adequately address and write about current issues in the field using scientific methods. ²The topic may include interdisciplinary issues. ³In any case, the topic must be related to economic issues.
- (2) ¹The chair or examiners shall appoint two reviewers (according to § 6), if possible, taking into account the candidate's wishes. ²The topic of the master's thesis is generally to be assigned by the first reviewer active in the appropriate field and from the Faculty of Law, Business & Economics by way of the chair of examiners. ³Record is to be made of the date on which the topic was assigned. ⁴It is recommended that the master's thesis be completed in the fourth semester.
- (3) ¹The master's thesis is integrated into the programme of study and corresponds to a workload of 900 hours (including viva voce). ²The master's thesis is to be submitted no later than six months after the topic was assigned. ³In cases in which the candidate was not at fault for missing a deadline, at the request of the candidate, the chair of examiners may, after having heard the supervisor, extend the deadline by up to two weeks. ⁴If the candidate demonstrates via a medical certificate that he or she was unable to work on the thesis, the deadline is to be extended accordingly. ⁵Theses that are not submitted by the stated deadline are graded as "*nicht ausreichend*" ["unsatisfactory"].
- (4) ¹The master's thesis is to be submitted in the English language. ²The master's thesis shall contain a statement at the end in which the author confirms that he or she wrote the thesis independently and did not make use of any sources or materials that are not cited in the thesis. It shall also be confirmed that the thesis had never before been submitted toward fulfilment of an academic degree.

- (5) ¹The master's thesis must be submitted in electronic form (printable PDF document) by the deadline. ²Submission is carried out by uploading the document via the form server. ³The Examinations Office will make a note of the date on which the thesis was submitted.
- (6) ¹The thesis must contain a table of contents and bibliography. ²One copy of the master's thesis is to be submitted in typescript, bound and paginated to the first reviewer by the deadline.
- (7) ¹The candidate may return the topic to the board of examiners once within the first two weeks. ²Paragraphs 1 to 6 also apply when assigning and working on a new topic.
- (8) ¹Examinations Office shall forward the thesis to the reviewers appointed. ²The grades shall be made available no later than two months after submission of the thesis. ³Each assessor shall provide a recommendation as to whether the thesis is to be accepted or rejected and assign a grade in accordance with § 16. ⁴In special cases, the board of examiners may call upon an additional assessor, especially if the grades assigned vary by more than one point.
- (9) ¹If different grades are assigned, the grade for the master's thesis shall be the arithmetic mean of the assessments. ²In this calculation, the grade shall only be given to one decimal place; the remaining digits are to be truncated (not rounded). ³§ 11 para 2 applies *mutatis mutandis*.
- (10) ¹The content of the master's thesis is to be presented in a 15-minute talk (viva voce). ²The talk is followed by a 15-minute discussion that places the content of the master's thesis in a broader context. ³The talk is given in front of the reviewers and is open to members of the University. ⁴Upon request, the talk may not be public. ⁵Assessment is to be carried out on a pass/fail basis. ⁶If the grade is "failed", the talk can be repeated once. ⁷The viva voce is not included in the calculation of the overall grade of the master's examination.
- (11) One copy of the master's thesis is to remain on record.

§ 13

Credit point system

- (1) ¹A record of credit points for completed modules is to be kept by the University of Bayreuth's Examinations Office for each student who is enrolled in the programme of study. ²The credit points that appear on the transcript are identical with credit points as stipulated in the European Credit Transfer System (see Annex 1). ³One credit point corresponds to a workload of 30 hours.
- (2) The credit points for the modules are given in Annex 1.

§ 14

Consideration of protective provisions

- (1) ¹The utilization of protection periods of the Maternity Protection Act (MuSchG) shall be guaranteed. ²Upon request, the claiming of parental leave in accordance with the Federal Parental Allowance and Parental Leave Act (Bundeselterngeld- und Elternzeitgesetz), as well as periods for the care of a close relative within the meaning of § 7 para 3 of the Nursing Care Act who is in need of care within the meaning of § 14 and § 15 of the Eleventh Book of the Social Code (Sozialgesetzbuch), shall be guaranteed. ³The appropriate evidence must be furnished; any changes in status are to be reported immediately.

- (2) ¹If duly requested, periods during which study was impossible or only possible to a limited extent for reasons beyond the student's control shall not be taken into account with regard to the examination schedule. ²Corresponding evidence must be furnished; medical certificates must be presented in the case of illness. ³Any changes in status are to be reported immediately.

§ 15

Consideration of special needs of students with disabilities or chronic illness and in special life circumstances

- (1) ¹For the sake of ensuring equal opportunities, the particular needs of examinees with disabilities or chronic illnesses are to be appropriately accommodated. ²Upon written request, the board of examiners shall determine on the basis of the degree of disability or chronic illness in what form the examination is to be taken; alternatively, an extension or other reasonable accommodations may be granted. ³Proof of the examination disability or chronic illness must be furnished in the form of a medical certificate stating that, due to a long-term or permanent disability or chronic illness, the examination cannot be taken in whole or in part in the intended form. ⁴The request is to be submitted together with the examination registration. ⁵If the request is submitted later, it shall only be valid for subsequent examinations.
- (2) ¹Students in special circumstances may apply to the board of examiners for compensation for disadvantages in examinations in accordance with paragraph 1. ²The board of examiners shall decide on the existence of a special life situation and the extent of the compensation for disadvantages.

§ 16

Grading of examinations

- (1) The following grading scale will be used in the assessment of the individual assignments and examinations; the digit to the right of the comma enables a more differentiated assessment between the whole-number values.

"sehr gut" (excellent)	= 1,0 or 1,3
"gut" (considerably better than average)	= 1,7 or 2,0 or 2,3
"befriedigend" (average)	= 2,7 or 3,0 or 3,3
"ausreichend" (fulfils the minimum requirements despite deficiencies)	= 3,7 or 4,0
"nicht ausreichend" (unsatisfactory due to considerable deficiencies)	= 5,0

- (2) ¹If a greater module examination is made up of multiple examinations, the grade for the module shall be established by calculating the arithmetic mean after weighting the components based on credit points; deviating weightings are listed in Annex 1. ²In this calculation, the grade shall only be given to one decimal place; the remaining digits are to be truncated (not rounded). ³Module grades are as follows:

an average of 1,5 or better	= sehr gut
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an average of 1,6 up to and including 2,5	= gut
an average of 2,6 up to and including 3,5	= befriedigend
an average of 3,6 up to and including 4,0	= ausreichend.

§ 17

Final grade

- (1) ¹The overall grade for the master's examination is calculated by taking the arithmetic mean of the module grades and the grade for the master's thesis, weighted according to the credit points awarded for each module as given in the annex. ²In this calculation, the grade shall only be given to one decimal place; the remaining digits are to be truncated (not rounded).
- (2) Candidates who pass the master's examination are to receive a final grade as follows: an average grade of 1,2 or better is "ausgezeichnet", up to 1,5 is "sehr gut", up to 2,5 is "gut", up to 3,5 is "befriedigend", up to 4,0 "ausreichend".
- (3) The certificate or an attached document shall indicate how the final grade was calculated.
- (4) ¹In addition to the degree certificate, an ECTS grading table will be issued as stipulated in the ECTS guidelines in the version dated 6 February 2009. ²This table displays what percentage of programme graduates in a given time frame received the same final grade as described in para 2. ³Those programme graduates who were awarded their diplomas in the previous four semesters shall serve as the reference group as long as it includes at least 30 persons. ⁴The date of the last examination shall be decisive in assigning graduates to a particular semester. ⁵If the minimum number of graduates is not reached, the number of previous semesters is to be extended until the minimum number is reached. ⁶If the programme of study does not yet have as many graduates as the minimum number required of the reference group, an ECTS grading table will be issued as soon as the minimum number is reached. ⁷For degrees awarded before the minimum number is reached, an ECTS grading table will be issued at a later date upon request once the minimum number has been reached. ⁸The graduate's own graduating class is also to be included in the reference group. ⁹The size of the reference group and the time frame is to be included.

§ 18

Passing the master's examination

- (1) Passing the master's examination requires a grade of "*ausreichend*" ["sufficient"] or "*bestanden*" ["passed"] or better for the master's thesis and each module; in addition, all 120 credit points must be earned and all requirements mentioned in § 2 para 2 must be fulfilled.
- (2) ¹If the candidate has not fulfilled the requirements given in para 1 by the end of his or her sixth semester due to reasons under his or her control, then the candidate shall be considered as having failed the master's examination on the first attempt. ²Examinations that were taken on time and for which the candidate received a passing grade need not be repeated.
- (3) ¹If the missing examinations are not passed by the student within a year of the deadline given in para 2 sentence 1 for reasons under his or her control, or if all possibilities to repeat the examinations have been exhausted, then the candidate shall be considered as having failed the

master's examination on the final attempt. ²The deadline shall not take into account periods of leave and periods during which the candidate withdrew from study. ³Notice shall be sent to inform the candidate that he or she has failed the examination on the final attempt in accordance with § 5 para 5 in conjunction with Article 41 BayVwVfG as amended. ⁴The board of examiners may grant the student an extension of the deadline stated in sentence 1 for circumstances beyond his or her control.

§ 19

Repeating examinations

- (1) ¹Each examination failed for the first time may be repeated once. ²A second repetition is only permitted in three examinations. ³Repeating a failed examination for a third time is only permissible after subject-specific advising. ⁴Students who fail the last possible repetition of examinations are to be considered as having failed the master's examination on the final attempt.
- (2) Up to two examinations may be repeated voluntarily for the purpose of improving one's grade. ²Repeating the master's thesis with a passing grade voluntarily is not permitted.
- (3) The repetition may be held as a different form of examination in accordance with § 11; this is determined by the examiner.
- (4) ¹The master's thesis can be repeated with a new topic if the student receives a failing grade for the thesis. ²Repeating the master's thesis for a second time is not permitted.
- (5) Administrative measures shall be taken to ensure that it is possible to repeat the failed examinations or a failed master's thesis within six months.

§ 20

Notice of failing the master's examination

Notice shall be sent to inform the candidate that he or she has failed the master's examination on the final attempt in accordance with § 5 para 5 in conjunction with Article 41 BayVwVfG as amended.

§ 21

Access to examination documents

- (1) Following the conclusion of the examinations process, the candidate may be granted access to his or her graded examination documents including the reviewer's report as well as the record sheets for the examination.
- (2) ¹Such requests are to be made six months after the degree certificate is awarded. ²If the candidate was prevented from meeting the deadline in sentence 1 due to reasons beyond his or her control, Article 32 BayVwVfG shall apply.

§ 22

Defects in the examination proceedings

- (1) If it is shown that there were defects in the examination proceedings which influenced the examination results, the candidate or the board on its own initiative shall request that the relevant examinations be repeated.
- (2) Any defects in the examination proceedings are to be reported to the examiner or the chair of examiners without delay, and in general, prior to notice being given of the examination results.
- (3) Claims under the terms of paragraph 1 must be made within six months of the examination's conclusion.

§ 23

Non-appearance, withdrawal from examinations, cheating, and policy violations

- (1) ¹Candidates who have registered for an examination may withdraw without providing a rationale by withdrawing by the deadline announced by the board of examiners. ²If the candidate fails to appear for an examination for which he or she was registered for reasons under his or her control or withdraws subsequent to the deadline stated in sentence 1, he or she will be considered to have failed the examination.
- (2) ¹The grounds for failing to appear - or as long as paragraph 1 sentence 1 does not apply, for withdrawal must be submitted to the board of examiners without delay and substantiated by *prima facie* evidence. ²The same applies to inability to take the examination due to circumstances arising during the examination. ³Inability to take the examination due to illness must be documented with a medical certificate. ⁴If the board of examiners accepts the reasons given, a new examination time is to be offered under the terms of § 9 within six months.
- (3) If withdrawal or failure to appear is caused by reasons beyond the candidate's control, examinations elements completed up to that point are to be recognized.
- (4) ¹If the candidate attempts to influence the result on an examination by cheating or making use of materials that are not permitted, he or she shall be given the grade "*nicht ausreichend*" ["unsatisfactory"]. ²Any candidate who causes considerable disruption to the course of an examination may be removed by the invigilator and barred from continuing the examination. In this case, he or she shall be given the grade "*nicht ausreichend*" ["unsatisfactory"].
- (5) ¹If cheating in the form of plagiarism is detected, the examination will be graded as "*nicht ausreichend*" ["unsatisfactory"]. ²The accusation of plagiarism is justified if the examinee has attempted to influence the result of the examination in a way that is favourable to him or her by failing to specifically mark passages taken verbatim from other authors and also explanations of his or her work that are closely based on the thought processes of other authors. ³The determination shall be made by the relevant examiner or invigilator and shall be recorded in the files. ⁴In serious cases or in the case of repetition, the entire module examination can be declared failed and, in particularly serious cases, the right to repeat the examination can also be withdrawn and the entire module examination can be declared failed on the final attempt. ⁵The decision on this is taken by the board of examiners. ⁶In deciding on the imposition of the sanction, both the quantity of the plagiarism and its significance for the work must be assessed in each individual case.

§ 24

Invalidating the master's examination

- (1) If a candidate cheats during an examination and this fact does not come to light until after the degree certificate is issued, the board of examiners may retroactively change the relevant grades accordingly and declare the master's examination to be failed either in part or entirely.
- (2) ¹If the registration requirements for the examinations were not met by the candidate without this having involved any cheating on the part of the candidate, and if this fact does not come to light until after the degree is issued, then this fault shall be considered rectified via the candidate's passing of the master's examination. ²If the candidate registered by intentionally providing false information, the board of examiners shall decide whether to revoke any unlawful administrative acts on the basis of the general principles of administrative law.
- (3) The candidate shall be permitted to make a statement prior to the decision.
- (4) The inaccurate degree certificate is to be taken away and, if applicable, replaced with a new one.

§ 25

Awarding the master's degree; degree certificate

- (1) ¹Upon the student's request, a diploma and a degree certificate for successful completion of the master's examination are to be issued within four weeks of demonstrating completion of the required module credits. ²The diploma is to include the title of the programme of study. ³It is signed by the Dean of the Faculty of Law, Business & Economics and bears the seal of the university. ⁴Upon issuance of the diploma, the graduate is given the right to bear the title "Master of Science". ⁵This title is to be abbreviated "M.Sc." and placed behind the surname.
- (2) ¹The certificate is to include the title of the programme of study, the final grade, all completed modules, all module examinations undertaken (including credit points and grades achieved), as well as the topic of the master's thesis and the grade received for the thesis. ²The certificate is to be signed by the chair of examiners. ³The date to be used is the day of the last examination or the date on which the last graded assignment was submitted. ⁴An English translation of the diploma and a Diploma Supplement shall be issued in addition; the Diploma Supplement shall be signed by the chair of examiners. ⁵In addition to the certificate, an ECTS grading table is to be issued under the terms of § 17 paragraph 4.
- (3) Revoking the degree "Master of Science" is to be carried out in accordance with the legal regulations (Article 101 BayHIG).

§ 26

Academic advising

- (1) General student advising is offered by the University of Bayreuth's Student Advising Office.
- (2) The programme advisor for the master's programme Environment, Climate Change & Health is to be responsible for questions relating to the master's programme (i.e. structure of the programme, organization of studies, course selection, and questions concerning examinations).

(3) ¹In the course of the semester, the programme coordinator shall offer advising for all students enrolled in the master's programme. ²Programme-specific advising is recommended especially for the following persons:

1. new students,
2. students who recently failed an examination,
3. students who have considerably less than 15 credit points per semester,
4. students transferring from a different subject, degree programme, or university,

§ 27

Effective date

¹These regulations go into effect on 26 April 2022. ²They shall be valid for students enrolling in this programme in Winter Semester 2022/2023 or later.*)

*) The set of amendments dated 15 March 2023 contains the following provisions with regard to the effective date:

¹These regulations go into effect on 16 March 2023. ²Notwithstanding sentence 1, § 1 number 2 and 11 shall be valid for students enrolling in this programme in Winter Semester 2023/2024 or later.

Annex 1: Modules, Credit Points, and Examinations

The master's programme is divided into the following three areas:

- The basic module area (30 credits) covers fundamental content on the topics of environment, climate change and health. In addition, central methods and personal skills are taught, and this is continued in the advanced module area.
- The advanced module area (30 credits) focuses on the core topics environment, climate change and health in a global context. A lecture series (as part of the integrative module) focuses on various key topics of current research and thus rounds out the unit.
- The supplementary module area offers a choice of specific areas of emphasis that address relevant climate change and health issues, as well as characterize the relationship between climate change and health from the perspective of different disciplines. This is implemented in addition to the various participating research groups through hands-on co-teaching. Participation in a summer school and an internship provide in-depth insights into research and practice.

The following overview lists the module areas, the corresponding modules, and the associated module examinations.

Slashes by exams indicate alternative forms of examination.

Module area (modules)	Credit points	Semester hours	Examination
Basic module area			
Climate Change	5	4	Term paper/ research report/ presentation/ oral exam
Medicine and Climate Change I	5	4	Written examination
Global Change Ecology	5	4	Written exam/ term paper/ research report/ presentation/ oral exam
Global Health Policy	5	2	Essay
Ecosystems under Climate Change and Human Impact	5	4	Written exam/ term paper/ research report/ presentation/ oral exam
Integrative Module: Lessons Learned + Lecture Series	5	2	Research report/ presentation research plan/ essay
Total: Basic Module Area	30		
Advanced Module Area			
Globalization of Economies and the Environment	5	4	Portfolio assessment: Term paper/research report (50%) and presentation (50%)
Medicine and Climate Change II (Biodiversity, Climate Change and Health)	5	4	Research report/ presentation/ oral exam/ essay
Philosophy and Economics	5	2	Written exam/ term paper/ research report/ oral exam
Geographical and Spatial Dimensions of Global Change	5	2	Written exam/ term paper/ research report/ oral exam
Skills and Competences	10	8	Presentation/ oral exam/ essay/ research report *)
Total: Advanced Module Area	30		
Supplementary Module Area			
Global Urban Health	5	2	Written exam/ term paper/ research report/ oral exam
Migration and Health	5	2	Written exam/ term paper/ research report/ oral exam

Module area (modules)	Credit points	Semester hours	Examination
International Environmental and Sustainable Development Law	5	2	Term paper
Statistical Data Analysis with R	3	2	oral examination/ research report/ presentation/ essay *)
Spatial Statistics and Visualization with R	3	2	Written exam/ research report/ presentation/ essay *)
Introduction to GIS	2	2	Research report *)
Food, Health and Climate Communication	5	2	Portfolio assessment: Term paper/ essay (50%) and presentation (50%)
Environmental and Resource Technology	5	4	Written exam/ term paper/ research report/ presentation/ oral exam
Tools in Social Research	5	2	term papers research report/ presentation/ oral exam/ essay
Sport Ecology	5	4	Written exam/ term paper/ research report/ presentation/ oral exam/ research plan
Global Political Economy of Food	5	2	Essay
Total: Advanced Module Area	15		
Summer School	5		Term paper/ research report/ presentation/ research plan/ oral examination/ essay/ semester assignments (Deviating from the provisions in § 11, the respective examination component is evaluated according to the scheme "passed" or "failed")
Internship	10		Internship report/ presentation
Master's thesis	30		Master's thesis with ungraded <i>viva voce</i>
Total:	120		

*) Deviating from the provisions in § 11, the respective examination component can either be graded according to the scheme "passed" or "failed" (alternative 1) or graded according to § 16 (alternative 2). This is determined by the respective examiner.

Notwithstanding § 17 para 1, this examination result shall not factor into the final grade.

Annex 2: Aptitude assessment process

(Legal basis: Art. 90 para 1 sentence 2 BayHIG)

1. Purpose of aptitude test

¹The purpose of this procedure is to determine whether, in addition to the knowledge proven by earning his or her initial degree, the applicant demonstrates a particular suitability for the highly interdisciplinary master's programme Environment, Climate Change & Health. ²Aptitude parameters are as follows:

- a) a firm grasp of undergraduate science and health science skills relevant to understanding and analyzing the causes and processes of global environmental change (climate, matter turnover, etc.), the resulting ecological effects (biodiversity loss, impaired ecosystem functions, etc.), and the related social, health, economic, and political adaptation and mitigation.
- b) the distinct ability to acquire knowledge that is foreign from the perspective of the initial degree programme yet essential for global climate, environmental and health protection.

2. Board responsible for the aptitude assessment process

¹The preparation and implementation of the aptitude assessment is the responsibility of the board of examiners according to § 5 as well as other persons of the full-time academic staff who are authorized to administer examinations and who are involved in this study programme. ²The professors must form a majority on the board. ³The representatives shall be elected by the Faculty Council of the Faculty of Law, Business & Economics for a term of five years; re-election is possible.

3. Process for determining aptitude

3.1 ¹The aptitude assessment process is held once a year in the summer semester for the following winter semester. ²The application for admission to the aptitude assessment process must be submitted online to the University of Bayreuth. ³The online application for admission must be received electronically by the University of Bayreuth by June 15 of each academic year for the following winter semester (cut-off deadline). ⁴Documents as described in number 3.2.3 and 3.2.6 can be submitted up to 15 July.

3.2 The following are to be enclosed with the completed application as described in number 3.1 sentence 2:

3.2.1 ¹A written statement in English (max. 2 pages) for the choice of the master's programme Environment, Climate Change and Health, in which the applicant explains which specific competencies make him or her particularly suitable for the intended programme. ² For example, the specific motivation may be borne out by participation in professional training relating to the programme of study, internships, stays abroad, or subject-related supplementary courses taken during one's bachelor's studies beyond the required courses. ³If applicable, evidence is to be provided.

3.2.2 A statement that the cover letter containing the applicant's motivation for choosing the programme of study was written independently, without the help of others, and that any thoughts taken from other sources were identified as such

- 3.2.3 ¹ The relevant initial degree (e.g. bachelor's degree certificate) under the terms of § 2 para 1 number 1 in addition to a confirmation with individual grades for the coursework and examinations completed during the applicant's studies. ²If the relevant initial degree certificate or equivalent degree certificate has not yet been issued, confirmation of all individual grades and examinations for courses completed up to the date of late submission must be presented. ³Such credit for examinations and coursework must amount to a total of at least 150 ECTS points.
- 3.2.4 a list of modules from the applicant's initial degree programme for which evidence of completion cannot yet be submitted
- 3.2.5 A CV as supplementary information to serve as a basis for the interview (see 5.2).
- 3.2.6 if available evidence of the following:
- a) special qualifications (e.g. awards such as scholarships or prizes, vocational training relevant to the programme of study, internships, visits abroad, volunteer work, or social engagement) or
 - b) interdisciplinary study skills
- 3.2.7 If applicable, a request for reasonable accommodations as described in § 15.

4. Admission to the aptitude assessment process

- 4.1 Admission to the assessment process requires that the documents listed in number 3.2 be submitted on time.
- 4.2 The aptitude assessment process (number 5) is to be administered to those applicants who fulfil the requirements.
- 4.3 Applicants who are not admitted are to be sent a notice of denial with a rationale and information concerning legal remedies available; number 6.2 applies *mutatis mutandis*.

5. Overview of the aptitude assessment process

- 5.1 ¹On the basis of the application documents submitted, the board examines whether the applicant is suitable for the master's programme Environment, Climate Change & Health with respect to his or her proven qualifications and the specific skills described (first stage of the aptitude assessment process). ² The assessment is carried out on a scale of 0 to 75, where 0 is the worst score and 75 is the best score. ³The points are assigned by the committee on the basis of the following criteria:

- 5.1.1 Written statement according to 3.2.1 as well as special qualifications and interdisciplinary study skills (according to 3.2.6)

¹The written statement of the applicant's reasons for the application will be assessed by two members of the board on a scale of 0 to 25 points. ²The members of the board will evaluate the following three criteria independently of one another and will score them. ³ The number of points is calculated as the sum of the individual assessments divided by two and rounded to the nearest whole number value. ⁴The content of the

written statement is to be assessed in view of the maximum points given in parentheses on the basis of the following criteria:

- a) Verbal skills (5 points)
- b) Ability to demonstrate special aptitude and interdisciplinary study skills (10 points):

The applicant convincingly justifies his or her particular suitability for the interdisciplinary course of studies on the basis of arguments as well as previous qualifications and study skills.

- c) Special qualifications (10 points):

The applicant has relevant qualifications that go beyond the skills and qualifications earned over the course of the initial degree programme, e.g. accolades such as scholarships or prizes, internships, stays abroad, volunteer work, or social engagement (cf. 3.2.6 item a).

- 5.1.2 The subject-specific academic achievements of the relevant first degree or the achievements attained so far (according to No. 3.2.3 and No. 3.2.4)

¹The curricular analysis is not carried out by schematic matching of modules, but on the basis of competencies. ²It is based on the following elementary subject groups:

- Basic science in geography (geo-ecology, biogeography), environmental science, (experimental) physics, chemistry (general chemistry, organic chemistry, physical chemistry, analytical chemistry), biology (human biology, cell biology, animal physiology, plant physiology, genetics, microbiology, ecology, biochemistry, bioinformatics), and nutrition.
- Health science foundations in public health, health economics, prevention and health promotion, health communication, epidemiology, medicine, nursing science, health services research, sports science, health psychology, or health policy.

³The examinations and coursework relevant for the master's programme Environment, Climate Change & Health from the initial degree programme or the assessment components completed to date as per § 2 shall be included in the evaluation with up to 50 points. ⁴Assessment of competences shall be based on the relevance to the above-mentioned curricular contents of the corresponding bachelor's degree programmes and the academic performance, taking into account the recognisable range of achievements.

- 5.1.3 The total number of points awarded to the candidate for the first stage of the aptitude assessment process is the sum of the individual assessments made under 5.1.1 and 5.1.2.

- 5.1.4 Applicants who received 55 points or more in the first stage of the aptitude assessment process shall be sent a confirmation of having passed the aptitude assessment process.

5.1.5 Candidates who have scored less than 35 points in the first stage of the aptitude assessment process will not proceed to the next stage of the process according to no. 5.2.²They shall be sent a notice of denial with a rationale and information on how to appeal; 6.2 applies *mutatis mutandis*.

5.2¹The remaining applicants with scores of at least 35 up to 54 points will be invited to an interview (second stage of the aptitude assessment process).²In the second stage of the aptitude assessment process, the qualification acquired in the initial degree programme and the result of the interview are evaluated.³The date and time of the interview are to be announced at least one week in advance.

5.2.1¹The selection interview must be conducted individually for each applicant.²The interview is to last between 15 and 30 minutes for each applicant and should demonstrate whether it is to be expected that the aim of the programme of study can be achieved given the applicant's previous education.³During the interview, the student's scientific and health-related understanding and interest in learning about content from other relevant subject areas will be examined with regard to the requirements of the degree programme.⁴The content of the interview covers the following main topics:

- a) A particular willingness to succeed, which leads to the expectation that the performance level of the previous degree will be significantly exceeded in general or with regard to the chosen subject area (max. 5 points):
 - Is there evidence of rapid, determined progress in the applicant's studies?
 - Is there a specific aptitude for a subject that can be studied in the degree programme, documented by additional modules or activities (e.g. membership or activity in relevant organizations) in this field?
 - Does the CV demonstrate a particular determination (e.g. relevant additional internships, relationship between previous employment and the programme of study)?
- b) Ability to analyse fundamental issues in the natural sciences and health science relating to global climate and environmental protection in an appropriate manner (max. 10 points).
- c) Personal impression of suitability (after interview) (max. 10 points): For example, this may be based on the applicant's ability to convincingly provide statements by means of arguments and meaningful examples and his or her ability to answer questions appropriately.

⁵The interview shall be conducted by two members of the board who come from different subject areas relevant to the programme of study and are thus able to assess the applicant's interdisciplinary skills.⁶Each member is to assign a grade for the the interview on a scale of 0 to 25.⁷The total score of the interview is the sum of the two partial results, where 0 is the worst and 50 the best score possible.

5.2.2 ¹The overall assessment of the second stage of the aptitude assessment process is made up of the score for the interview and the previous studies as described in 5.1.2. ²Applicants who received 60 points or more in the second stage of the aptitude assessment process shall be sent a confirmation of having passed the aptitude assessment process. ³Applicants with less than 60 points are not suitable for the master's programme Environment, Climate Change and Health and will receive a notice of denial with reasons and instructions on how to appeal; No. 6.2 applies accordingly.

5.2.3 ¹A written record shall be made of the interview, indicating the date, duration, location, name of committee members involved, the name of the applicant, the assessment of the board members, and the overall outcome. ²The record must show the topics of the interview with the applicant and the rationale for the assessment. ³The reasons and topics may be listed in note form. ⁴The record sheet is to be signed by the committee members who were present.

6. Notification of the outcome

6.1 The course of the aptitude assessment process must be documented; in particular, the decisions of the board in accordance with the present regulations and the overall outcome must be evident.

6.2 ¹The applicant will be informed of the outcome of the aptitude assessment process. ²A notice of denial must be accompanied by a rationale and information on the applicant's right to appeal. ³As part of its supervisory duties in accordance with Article 30 para 3 sentence 1 BayHIG, the chair of the selection committee, on behalf of the University Governing Board, shall check a random sample of 10 % of denials of admission.

6.3 Admission based on the aptitude assessment process for the master's programme Environment, Climate Change & Health shall remain valid for future applications to this programme of study as long as the content and goals of the programme do not change so significantly that aptitude for this programme can no longer be demonstrated by having undergone the aptitude assessment process at an earlier date.

7. Repeating the process

Applicants who did not provide evidence of aptitude for the master's programme Environment, Climate Change & Health may register for the aptitude assessment one more time.

8. Aptitude assessment process for higher semesters

For applicants who wish to enter advanced semesters (university transfer, career changers), nos. 3 to 7 apply accordingly.