

This is a courtesy translation only. The sole legally binding document is the German original.

University of Tübingen exam regulations for the study program in Informatics/ Bioinformatics/ Media Informatics/ Medical Informatics/ Machine Learning culminating in an examination for a Master of Science (M. Sc.) – General Provisions –

In accordance with § 19 (1) sentence 2 no. 9, 32 (3) Landeshochschulgesetz (GBl. 2005, 1), as amended on 01.04.2014 (GBl. p. 99), the University of Tübingen Senate on 14.03.2019 passed the General Provisions of these exam regulations for the study program in Informatics/ Bioinformatics/ Media Informatics/ Medical Informatics/ Machine Learning at the University of Tübingen culminating in an examination for a Master of Science (M. Sc.) degree.

Approved by the President and Vice-Chancellor on ...

Contents:

I. General Provisions

§ 1 Structure of the Master's program

§ 2 Graduation

§ 3 Subjects

§ 4 Examination board

§ 5 Examiners and observers

§ 6 Crediting of studies, coursework and assessed work

II. Master's examination

§ 7 Purpose of examination

§ 8 Workload and nature of the Master's examination

III. Coursework and module-specific assessment

§ 9 Obtaining ECTS credits

§ 10 Coursework and module-specific assessment

§ 11 Registration and admission to module-specific assessment

§ 12 Verbal assessment

§ 13 Written assessment

§ 14 Grading of assessed work

IV. Master's thesis

§ 15 Prerequisites for admission to Master's thesis

§ 16 Admission procedure

§ 17 Master's thesis

V. Passing/ failing assessment

§ 18 Passing/ failing exams

VI. Repetition of a failed exam

§ 19 Repetition of module-specific assessment

§ 20 Repetition of the Master's thesis and other possible oral examinations to be completed in the final phase of the program

This is a courtesy translation only. The sole legally binding document is the German original.

VII. Master's overall grade

§ 21 Calculation of the overall grade

VIII. Certificates

§ 22 Certificate and other documentation

§ 23 Degree certificate

§ 24 Certification in the event of an overall fail

IX. Closing remarks

§ 25 Absence, withdrawal, deception, breach of regulations

§ 26 Protection provisions

§ 27 Invalidity of an examination or assessed coursework

§ 28 Inspection of examination files

§ 29 Effective date and transitional arrangements

I. General Provisions

§ 1 Structure of the Master's program

(1) The program in Informatics/ Bioinformatics/ Media Informatics/ Medical Informatics/ Machine Learning culminating in an examination for a Master of Science (M. Sc.) degree (hereinafter: uses the European Credit Transfer and Accumulation System (ECTS)). That means that to all components of the program are allocated ECTS credit points, the number of which is in line with the student's likely workload.

(2) The Master's program has a modular structure. The type, contents and workload of the required modules and the credit points allocated to them is set out in the Special Provisions of the exam regulations in combination with the module handbook.

(3) The Master's program is tied to a University system of assessment.

(4) The program comprises 120 ECTS credit points, of which 30 are given for the Master's thesis and 90 for the other subject-specific work. A final colloquium is designated as part of the Master's thesis process.

(5) The regular duration of study for this program up to the obtaining of the academic degree is four semesters, including all the required coursework and assessment as well as any other required elements such as excursions and internships. All coursework and assessed work in these exam regulations can be carried out ahead of the time set by these exam regulations, if the student has the necessary prerequisites and there is sufficient capacity.

(6) The Master's exam is to be completed by the end of the fourth semester. If the Master's examination, including any repeat assessment, has not been concluded by the end of the seventh semester, the student's right to be examined expires, unless the failure to meet the deadline is beyond his/her control. In the latter case, the examination board will decide on a suitable extension, upon application by the candidate.

This is a courtesy translation only. The sole legally binding document is the German original.

(7) The Special Provisions may require students to carry out practical work serving the aims of the course.

§ 2 Graduation

The academic degree "Master of Science" (abbr. "M.Sc.") is awarded on the basis of a successful completion of a Master of Science examination (hereinafter: Master's examination).

§ 3 Subjects

A Master's-level subject is studied in the Master's program. Elective modules are listed in the Special Provisions of these exam regulations and are to be specified in the module handbook published at the beginning of each semester.

§ 4 Examination board

(1) The Faculty of Science forms an examination board for the organization of exams and all other tasks not expressly assigned elsewhere by these exam regulations. The head of the examination board, his/her deputy on the board, the board members and their deputies are each appointed by the Faculty. The examination board is composed of Faculty members as follows:

1. Five full-time professors,
2. one member of the Faculty's academic staff,
3. one student (in an advisory role).

Only a professor may be head of the board or its deputy. The head of the board will usually conduct the board's active business. Furthermore, the board may revocably transfer certain tasks to the head of the board, insofar as this is not expressly barred; not, however, decisions on appeals. The examination board may receive the support of an examinations office to carry out its active business. Decisions by the examination board are passed with a majority of the board members' votes; in the event of a tie, the head of the board casts the deciding vote. Members may be reappointed more than once. If a member withdraws before the end of his/her term of office, a new member is appointed for the remainder of the term of office. Members of the board remain in office after their term of office expires until new members are appointed.

(2) The board members' term of office is three years; that of the student on the board is one year.

(3) The examination board ensures that the provisions set out in these exam regulations are met. The board is to report regularly to the Faculty on the development of examinations and durations of study including the time to finish Master's theses, as well as reporting on the distribution of subject grades and overall grades. The examination board must ensure that students can carry out and complete all coursework and assessment within the time periods set out in these exam regulations.

This is a courtesy translation only. The sole legally binding document is the German original.

To this end, students must be informed in good time both of the nature and number of required coursework units and the assessed coursework to be successfully completed, as well as on the deadlines by which these must be completed, and similarly the dates for the issue of topics for, and submission of, Master's theses. The examination board must also ensure that health and safety laws are met, in particular the provisions required by these exam regulations under § 32(3) sentence 2 nos. 3 and 4 as well as (4) no. 5 of the Landeshochschulgesetz.

(4) Board members have the right to be present as observers during examinations. The University President or a representative appointed by him/her also has the right to be present at examinations.

(5) Meetings of the examination board are not public. Members of the board, their representatives, and any third parties involved are obliged to maintain professional secrecy. If they are not state employees, the head of the board must pledge them to maintain confidentiality.

(6) Decisions by the examination board or its head which negatively affect the candidate must be communicated in writing at the earliest possible opportunity to the candidate, explaining the decision; instructions on the right to appeal will be included. Appeals must reach the examination board in writing within one month. If the examination board does not remedy the appeal, the appeal must be presented to the University's Vice-President for Academic Affairs for decision.

§ 5 Examiners and observers

(1) The examination board appoints examiners and observers - insofar as required under these exam regulations - for each exam. The board may allow the head of the board to make the appointments. Suggestions by the candidate for potential examiners may be taken into account; however the candidate does not have the right to have his/her suggestion taken into account. The observer is to take minutes of the proceedings. Only persons with a degree in the relevant degree program or equivalent may be appointed as observers.

(2) Only professors, academics with habilitation, and other academic staff appointed by the President's Office at the suggestion of the Dean's Office are authorized to conduct examinations. Other members of the academic staff, such as assistant lecturers, may act as examiners under exceptional circumstances only if there are not enough examiners available under sentence 1 and if they have a qualification in the examined subject which is at least the equivalent of the degree for which the examination is taking place.

(3) For module-specific assessment, the member of teaching staff under (2) who taught the relevant classes is the examiner unless some other arrangement is made. If an examiner is unable to conduct an exam, the examination board appoints another member of staff who is involved in the teaching of the Bachelor's program and who is an authorized examiner. If a repeat exam is conducted on module-specific assessment within the framework of the regular exam timetable, then the examiner is the member

This is a courtesy translation only. The sole legally binding document is the German original.

of teaching staff scheduled for this regular exam date; if the repeat exam is not conducted within the framework of regular exam dates, an examiner will be appointed.

(4) § 4 (5) sentences 2 and 3 apply to examiners and observers accordingly.

§ 6 Crediting of studies, coursework and assessed work

(1) Coursework, assessed work, degrees, and semesters of study completed in study programs at the University of Tübingen, other state-administered or state-recognized institutions of higher education and universities of cooperative education in Germany or in study programs at state-administered or state-recognized institutions abroad will be credited if the competencies thus obtained show no significant difference from the coursework or degrees they replace. This accreditation serves the continuation of studies, the completion of exams, the commencement of further studies, or admission to a doctoral program. Insofar as equivalency agreements between Germany and other countries favor students from other countries in a way not in accordance with sentences 1 and 2, the equivalency agreements take precedence; in addition accords struck within the framework of university partnerships, collaboration agreements and dual-degree programs must be taken into account. Intermediate exams completed in the same or in a related study program at the University of Tübingen or another German institution of higher education will be recognized.

(2) Participation in recognized correspondence courses will be treated as the equivalent of on-campus studies and credited accordingly to the duration of study.

(3) Knowledge and skills obtained outside of the higher education system may be credited to studies if:

1. at the time of recognition, the student met the requirements for admission to university and
2. the knowledge and skills to be credited to studies are equivalent in content and standard to the coursework and assessment they are to replace.

Knowledge and skills obtained outside of the higher education system may be credited to studies to a maximum of 50 percent of a university study program. There must be a careful check to as to whether knowledge and skills obtained outside the higher education system are, in the nature and volume of coursework they replace, equivalent as far as the competencies obtained go. When the decision is made, the form in which the competencies were learned must be taken into consideration. Accreditation is to be carried out according to the guidelines of the relevant authority, the Zentralstelle für Ausländisches Bildungswesen (ZAB), insofar as this is possible. The examination board will decide on accreditation, upon written application by the student.

(4) If coursework and assessment are recognized, the grades are to be transferred - insofar as the grading schemes are comparable - and taken into account in the overall grade according to the key to grading set out in § 14. If the grading schemes are not comparable, or if ungraded coursework and assessment is to be accredited, the grade 4.0 (sufficient) is recorded. Grades thus accredited may be identified as such in the Transcript of Records. In addition, the examination board may establish regulations for

This is a courtesy translation only. The sole legally binding document is the German original.

the conversion of grades given at another institution of higher education, particularly those of a partner university.

(5) It is up to the applicant to provide the necessary information about the work to be accredited. The onus is on the office carrying out the accreditation process to show that an application for accreditation does not meet the requirements.

(6) For credit points from senior studies (Kontaktstudien) to be credited to a university study program, paragraphs (1), (2), (4) sentences 1-3, and (5) apply accordingly, if the prerequisites for admission to university were met at the time of crediting.

II. Master's examination

§ 7 Purpose of examination

The Master's examination comprises a further professional qualification degree which goes beyond a first degree in the field. In completing the Master's examination, students demonstrate that they have obtained well-founded basic knowledge beyond that gained in a first degree and a systematic orientation and in-depth proficiency in their chosen subject and have developed the ability to process academic questions in their Master's subject independently using the relevant methods.

§ 8 Workload and nature of the Master's examination

(1) Along with the required coursework and other possible required additional work, the Master's examination consists of module-specific assessment as well as the Master's thesis and a final colloquium which is part of the Master's thesis process; the Master's examination has been passed when all required work has been successfully completed. Regulations are set out in the Special Provisions in conjunction with the module handbook as to which module-specific assessment must be completed.

(2) The type and workload of the assessed coursework and the demands of the examinations as well as any other, particular requirements for admission are set out in the Special Provisions of these exam regulations in conjunction with the module handbook.

(3) The module handbook contains the following information on the individual modules:

1. Name of the module,
2. Content and goals,
3. Teaching method or methods according to § 4 sentence 1 of the Special Provisions,
4. Prerequisites and limitations on admission,
5. Interchangeability of module and recommended semester,
6. The credit points set out in these exam regulations, the requirements for obtaining them, in particular the demands of each examination, as well as a rule on whether grades are given,

7. The frequency with which modules are offered,
8. Workload and duration of class or classes.

III. Coursework and module-specific assessment

§ 9 Obtaining ECTS credits

(1) The ECTS credits designated to each class, module, or other coursework are to be allocated when all required assessed coursework and non-assessed coursework as well as any required further work has been successfully completed. ECTS credits are allocated for graded work regardless of the grade given, as long as it is “sufficient” or better.

(2) Regulations are set out in the Special Provisions or in the module handbook as to which assessed and non-assessed coursework and any further work is required and in which modules and classes assessment must be completed. If assessed coursework must be completed in a class or module, additional assessed and non-assessed coursework as well as further supplementary work may be required for the student to obtain the ECTS credits allocated to this class or module. In those classes and/or modules in which no assessed coursework is required, the relevant ECTS credits are obtained via the completion of non-assessed coursework and any supplementary work.

(3) The type, form, number and workload of the required coursework and assessment and any supplementary work are to be basically agreed in such a way that the time required to complete it is in line with the ECTS credits assigned to the relevant class and/or the relevant module.

§ 10 Coursework and module-specific assessment

(1) Coursework consists of individual written, verbal, or practical work conducted by the students usually in connection with classes. The coursework completed must be appraised by the person responsible for the relevant class. Coursework may be provided for in an ungraded form.

(2) Module-specific assessment for the purposes of these exam regulations is the final assessment (including any relevant repeat assessment) in each module; it may also be calculated overall from several components. The Special Provisions of these exam regulations and/or the module handbook set out what type of final exam is to be completed in each module: oral, written, or practical, or a combination of these elements. The Special Provisions of these exam regulations may also allow for other supervised assessed coursework, to be appraised according to the same standards. The Master's thesis and any associated oral Master's examinations, any associated colloquia or oral exams on the contents of the Master's thesis are not module-specific.

(3) The nature and workload of module-specific assessed and/or non-assessed work and any supplementary work, as well as the time for its completion, must be made

known to all students taking part by the person responsible for the class - usually at the beginning of the class.

(4) If a candidate can show credibly, by presenting a doctor's certificate, that he/she is unable to complete assessed coursework in whole or in part in the form provided for due to lingering or constant medical condition, impairment or disability, the head of the examination board will allow him/her an extension in which to complete the assessed coursework or equivalent assessed coursework in a different form, upon application by the candidate. The same applies to coursework and any other relevant work. This also applies in the event of illness of a child solely or chiefly in the candidate's care.

(5) Students on leave are not entitled to attend classes or to take part in module-specific assessment which must be completed as part of a class. They do not take part in elections or administrative processes at the University. The examination board will decide on participation in non-course-related assessment, upon written application. Students on leave under § 61 (3) LHG (maternity leave, parenting leave, carer's leave) have the right to take part in classes and to carry out coursework and assessed work. The details of this are set out in the paramount regulations governing admission and enrollment at the University of Tübingen, as amended.

(6) The manner, content, and scope of the non-assessed coursework and module-specific or other assessment, the requirements for examinations as well as any other required supplementary work and any further, particular requirements for admission may be set out in the module handbook. However, provisions in these exam regulations take precedence over provisions in the module handbook.

(7) The head of the examination board ensures that each exam date is announced in good time.

§ 11 Registration and admission to module-specific assessment

(1) Students must register for every piece of module-specific assessment by a date set by the examination board in accordance with the provisions set out by the examination board.

(2) A student may only be admitted to module-specific assessment if he/she:

1. meets the requirements for admission to this degree course and is enrolled at the University of Tübingen in the relevant subject of the Master's program,
2. has not lost the right to be examined in the relevant subject of the Master's program or in a comparable degree program at an institution of higher education and
3. meets any further necessary prerequisites set out in the Special Provisions.
4. The examination board decides on the comparability of degree programs. In an equivalent degree program, this is only valid for the loss of the right to be examined in exams or modules which are also required in the relevant study program.

(3) The examination board will decide on admission to a piece of module-specific assessment. If admission is denied, the student will receive written notification of this

This is a courtesy translation only. The sole legally binding document is the German original.

within four weeks; this notification must include reasons for the denial and instructions on the right to appeal. Admission will be denied if:

5. the requirements set out in (2) are not met, or
6. the application is incomplete and the missing documents were not submitted on time.

Admission may also be denied if the student in the relevant subject of the Master's program or in an equivalent degree course under paragraph (2) is involved in a current examination process. No other reasons for denial are permitted.

§ 12 Oral assessment

(1) Oral assessment may be conducted in the form of oral exams, presentations, colloquia and certificates of attendance within the framework of internships.

(2) During verbal assessment the candidate must demonstrate that he/she recognizes the interrelated themes of the field being assessed and is able to analyze particular issues within these interrelated themes. Oral exams also aim to determine whether the candidate has broad-based basic knowledge. In addition the candidate may be given the opportunity to nominate special themes as the object of his/her oral exam. The duration of an oral examination is usually between 15 and 30 minutes per candidate. The oral examination takes place in the presence of an observer.

(3) An official record must be kept of the main subject matter and the main results of the oral exam; this official record must be signed by the examiner and, insofar as an observer is consulted, also by the observer. The result of the oral examination is to be communicated to the candidate at the conclusion of the oral exam.

(4) The exams are not open to the public. Provided there is no objection from the candidate, other students wishing to carry out the same assessment at a later exam date may be admitted to attend an oral exam as members of an audience, subject to the limitations of the examination venue. This admittance does not extend to the discussion of exam results, nor to the notification of these to the candidates.

§ 13 Written assessment

(1) Forms of written assessment are chiefly exams, assignments, and written work as part of internships or research projects.

(2) In exams and in other written work the candidate demonstrates that he/she is able to recognize a problem and, in a limited time using limited aids, is able to apply methods appropriate to the subject to find ways of solving it. The candidate may be given several tasks from which he/she chooses one or more to complete. The duration of a written exam should usually be at least 60 minutes and not more than 240 minutes.

(3) An official record must be kept of the proceedings of an exam, recording particular events, especially attempts by a candidate to influence the result by cheating or using unauthorized aids. The official record must be signed by the invigilator.

§ 14 Grading of assessed work

(1) Grades for individual assessed work are determined by the relevant examiners. The following grades are to be used for grading assessed work:

- | | |
|------------------|--|
| 1 = very good | = an outstanding performance; |
| 2 = good | = a performance well above the average requirements; |
| 3 = satisfactory | = a performance in line with the average requirements; |
| 4 = sufficient | = a performance which, despite its failings, nevertheless meets the requirements; |
| 5 = insufficient | = a performance which does not meet the requirements due to considerable failings. |

For precise grading of assessed work, whole grades may be raised or lowered by a value of 0.3. The grades 0.7, 4.3, 4.7 and 5.3 are not given.

(2) The grades in the modules are as follows:

- | | |
|--------------------------------|-----------------|
| for an average of 1.50 or less | = very good, |
| average grade of 1.51 to 2.50 | = good, |
| average grade of 2.51 to 3.50 | =satisfactory, |
| average grade of 3.51 to 4.00 | =sufficient, |
| average of 4.01 or more | = insufficient. |

(3) If the final exam in a module consists of several graded components, the module grade is calculated from the average grades of the individual pieces of assessed coursework, weighted by credit points. This average takes into account whole numbers and the first two decimal places only; all further decimal places are deleted with no rounding.

(4) If coursework is assessed by several examiners, the grade will be calculated from the arithmetic mean of the individual assessments. Paragraphs (2) and (3) sentence 2 apply accordingly.

(5) Calculation of the overall Master's grade is set out in § 21.

(6) If assessed coursework from other degree programs is credited, the provisions of the relevant other degree program apply to the assessment of the coursework.

IV. Master's thesis

§ 15 Prerequisites for admission to Master's thesis process Persons may be admitted to the Master's examination and to the associated final colloquium only if:

1. they meet the admission requirements according to § 11(2),
2. they meet any further subject-related admission requirements set out in the Special Provisions of these exam regulations.

§ 16 Admission procedure

(1) The application for admittance to the Master's thesis process and to the final colloquium must be submitted in writing to the examination board. This application must include details of the relevant study program and the candidate's suggested examiner where appropriate. The application must be accompanied by:

1. the student's Studienbuch or equivalent academic records,
2. documentation that the requirements set out in § 15 nos. 1 and 2 have been met,
3. a declaration on whether the candidate has ever lost the right to take an exam in a Master's program or equivalent program at an institution of higher education under § 11 (2) or has ever failed, with no option to repeat, a piece of module-specific assessment required by the exam regulations or a Master's or other final examination in the relevant subject or in a comparable degree program under § 11(2) at an institution of higher education and whether he/she is currently involved in an examination process in the same or under § 11(2) equivalent degree program.

Under sentence 3 no. 3, failed attempts at other state-administered institutions of higher education in Germany will be taken into account.

(2) If the candidate cannot provide documentation as required under (1) in the manner stipulated, the examination board may in individual cases allow evidence to be shown in some other way.

(3) The examination board will decide on admission.

(4) The candidate is considered admitted if his/her application is not rejected within two weeks. The application must be rejected if the requirements for admission have not been met. Admission may also be denied if the student in the relevant subject of the Master's program or in an equivalent degree course under § 11(2) is involved in a current examination process. No other reasons for denial are permitted. Reasons for rejecting an application must be given in writing.

§ 17 Master's thesis

(1) The Master's thesis is a piece of assessed work. It is meant to demonstrate that the author is able to process a problem independently and by applying academic methods within a set time and to present the results thus arrived at appropriately and in written form. The topic must be drawn from the field of Informatics/ Bioinformatics/ Media Informatics/ Medical Informatics/ Machine Learning; generally it should be set by an examiner as defined in § 5 in the second year. If the student does not find a topic for his/her Master's thesis, the head of the examination board ensures, upon written application, that the student receives a topic for his/her Master's thesis in good time. The topic is issued via the examination board; the time of issue and the topic must be recorded. The student is to be given the opportunity to make suggestions for a Master's thesis topic; however the examination board is under no obligation to consider such suggestions.

(2) The time limit for writing a Master's thesis is six months. The topic must be set out and the task must be formulated by the thesis supervisor in such a way that the Master's thesis may be completed within this time limit. The deadline for submission may be extended upon application by the examination board if there is good reason.

(3) The student may choose to write the thesis in German or English unless otherwise set out in the Special Provisions of these exam regulations; the examination board will decide on applications to write the thesis in any other language. The finished Master's thesis must be submitted to the examination board within the allotted time as three bound copies and in a file format determined by the examination board. The time of submission must go on file. Along with the printed text, the Master's thesis may contain multimedia parts on electronic data storage media, if the topic requires it. The process of evaluation must be completed four weeks at the latest after submission of the thesis; it is the examination board's task to supervise this deadline. If examiners are prevented from keeping the deadline due to illness or some other circumstance, the examination board may appoint other examiners in this respect.

(4) The candidate must include with the submitted Master's thesis a signed declaration in which he/she ensures that he/she wrote the thesis or his/her part of a group project independently, did not use any sources or resources other than those cited, that he/she has clearly indicated as such all information taken from other works - either verbatim or paraphrased - and that the thesis has not been submitted as a whole or in any significant part as part of any other examination process, and that he/she has not published the thesis as a whole or in any significant part, and that the copy submitted in electronic file form is identical in content to the three bound copies submitted.

(5) The Master's thesis is assessed by two examiners; one of them may be the thesis supervisor. § 14 paragraphs (1), (3) sentence 2 and paragraph (4) apply accordingly. If the individual assessments diverge by more than a whole grade or if one is "insufficient," the head of the examination board obtains a further assessment from yet another examiner.

(6) For the final colloquium which is required as part of the thesis process, the rules for oral exams apply, unless otherwise set out in the Special Provisions of these exam

This is a courtesy translation only. The sole legally binding document is the German original.

regulations or in the module handbook. It is assessed by the supervisor. Regarding grades, § 14 applies.

(7) The Master's thesis may also be admitted in the form of a group project, if the individual candidate's contribution can be clearly identified and assessed by means of sections, page numbers or other objective criteria which make a clear distinction possible, and if the contribution meets all other requirements.

V. Passing/ failing assessment

§ 18 Passing/ failing exams

(1) A piece of assessed work passes if it is given the grade of 4 (sufficient); a final exam in a module comprising several graded components passes if the module grade is at least 4 (sufficient) and each component has been graded at least 4 (sufficient). The Master's examination and any oral exam which may be required at the end of the Master's degree studies, oral exam on the contents of the Master's thesis and any final colloquium which may be required as part of the thesis process pass if they are given the grade of 4 (sufficient) or better; each of these pieces of assessed work must pass.

(2) If the candidate fails a piece of module-specific assessment or the Master's thesis, the head of the examination board provides him/her with confirmation of this, including information on the right to appeal and on whether, and to what extent, the assessment may be repeated. Apart from cases of failure in the Master's examination, notification of assessment results may be announced in other ways. For any oral exam which may be required at the end of the Master's degree studies, oral exam on the contents of the Master's thesis and any final colloquium which may be required as part of the thesis process, the provisions for the Master's thesis set out in (1) and (2) apply accordingly.

(3) If a candidate fails a piece of module-specific assessment with no option to repeat, he/she may apply for a certificate detailing the assessed and (where applicable) non-assessed coursework he/she has completed along with the grades given as well as the pieces of assessment not achieved, and showing that the candidate did not pass; the application must be accompanied by appropriate documentation and proof that the candidate's enrollment has been terminated. This also applies when the candidate's right to be examined has expired because the deadline has passed for completing the work required.

(4) If assessed coursework from other degree programs is credited, the provisions of the relevant other degree program apply to the passing or failing of the coursework.

VI. Repetition of failed assessment

§ 19 Repetition of module-specific assessment

This is a courtesy translation only. The sole legally binding document is the German original.

(1) Module-specific assessment which results in a fail or which is considered a fail may be repeated twice. Registration according to § 11 (1) is considered to be conditional registration for the corresponding repeat. In a repeat assessment, only work given a grade lower than “sufficient” (4.0) in the first attempt may be repeated; the grades given for the other pieces of assessment in the first attempt are taken into account in the calculation of the grade

(2) A repeat exam must be taken - in observance of any deadlines set out in the exam regulations for the Master’s examination - in the semester following the fail in the first exam or, at the latest, in the semester after that; it is usually conducted within the time and content framework of the scheduled regular exams. Failure to repeat a failed exam will result in a grade of “insufficient” (5.0) unless the failure to repeat was not the fault of the student.

(3) If the failed exam or piece of assessment was conducted at least six weeks before the start of lectures in the following semester and if passing a repeat exam is required for admission to a piece of assessment in the following semester or for attendance at a class in the following semester, the student must be given the opportunity - upon written application to the examination board - to repeat the failed exam in good time so as to be able to be admitted to the assessment or attend the class.

(4) There must usually be a period of at least four weeks between notification of results in the first exam and the repeat exam.

(5) In the case of a repeat exam which is not conducted within the framework of exams in the following semester, the type of assessment to be completed may diverge from the type of assessment set out in the subject-specific provisions, particularly those in the module handbook, insofar as the subject-specific circumstances require it. The student must be notified of the type and volume of assessment to be completed in the repeat exam at the time of notification of the repeat exam date at the latest.

(6) Assessment resulting in a pass cannot be repeated.

§ 20 Repetition of the Master's thesis and other possible oral examinations to be completed in the final phase of the program

(1) A Master's thesis which has failed or which counts as failed may be repeated once; there can be no second repetition. The application for a repetition must be submitted two months at the latest after the exam result comes into force; if the student fails to apply in time, his/her right to be re-examined expires, unless the failure to apply is beyond the control of the student. The topic may be rejected only once and that only within the first two months of the time allotted for the writing of the thesis; in this case, the allotted time period for the writing of the thesis begins again. In the case of a repeat, a student may reject the topic only if he/she did not make use of the option to reject a topic when writing the first thesis.

(2) A Master's thesis examination resulting in a pass cannot be repeated.

This is a courtesy translation only. The sole legally binding document is the German original.

(3) For the final colloquium required as part of the thesis process, the provisions set out respectively in (1) sentences 1 and 2 and in (2) apply accordingly.

VII. Master's overall grade

§ 21 Calculation of the overall grade

(1) If the Master's examination results in a pass, an overall grade is calculated; the relevant decimal grades are to serve as the basis of this calculation.

(2) The Master's overall grade is calculated according to the Special Provisions of these exam regulations. § 14 paragraphs (2) and (3) sentence 2 apply accordingly.

VIII. Certificates

§ 22 Certificate and other documentation

(1) If the candidate has passed the Master's examination, he or she receives a certificate. The certificate details the overall grade and the Master's thesis topic. The certificate is signed by the Dean of the Faculty of Science and by the head of the examination board. It bears the date of the day on which the last piece of assessment for the Master's examination was completed. It is issued in German; additionally, an English translation will be issued.

(2) The University issues a diploma supplement (DS) in accordance with the Diploma Supplement Model of the European Union, the Council of Europe and UNESCO; it describes the profile of the degree program as well as a transcript of records; each of these is issued in German; additionally, an English translation will be issued. The transcript of records includes the following:

- modules taken in the Master's program as well as their components and ECTS credit points,
- the grades given in the modules,
- the Master's thesis grade and that of the associated final colloquium.

Grades are listed in the form of decimal numbers.

(3) The overall grade is supplemented by a relative grade based on the European Credit Transfer and Accumulation System. This can be done in particular by listing an ECTS grade as given in the certificate or according to the following scale

the best 10%	A
the next 25%	B
the next 30%	C
the next 25%	D
the next 10%	E
fail	F

This is a courtesy translation only. The sole legally binding document is the German original.

Insofar as the necessary data are available, this can be set out in the diploma supplement in accordance with the ECTS Users' Guide via an ECTS grading table (giving the statistical distribution of grades as percentages of the reference group). Details on the relative grade are set out by the examination board with regard to European guidelines.

§ 23 Degree certificate

The candidate receives a Master's degree certificate at the same time as the certificate, including the date. It certifies the awarding of the academic degree of Master according to § 2. An English translation of the degree certificate will be issued upon application.

(1) The Master's degree certificate is signed by the Dean and bears the seal of the University.

(2) The academic title may only be used after the degree certificate has been issued.

§ 24 Certification in the event of an overall fail

(1) Students who have failed the Master's examination with no option to repeat lose their right to be examined. They receive written certification from the examination board, including instructions on the right to appeal.

(2) If the student has failed the Master's examination with no option to repeat, he or she may apply to be issued with certification signed by the head of the examination board, listing the assessed and non-assessed coursework completed and showing that the Master's examination overall was failed with no option to repeat. This still applies when the candidate's right to be examined has expired because the deadline has passed for completing the work required for the Master's examination.

IX. Closing remarks

§ 25 Absence, withdrawal, deception, breach of regulations

(1) A piece of assessed work counts as graded "insufficient" if the candidate fails to attend an exam without good reason and without having deregistered him/herself from the exam in the form set out by the examination board and within the period prescribed, or if he/she for no good reason withdraws from the exam after it begins. The same applies if a written or practical piece of assessment is not submitted within the allotted time period. Deregistration from a written or practical piece of assessment or from the Master's thesis without providing reasons is possible on working days (Monday to Friday) until two working days before the first day of the examination. In the case of oral exams, deregistration must take place at the latest three working days (not counting Saturdays) before the day of the relevant examination.

This is a courtesy translation only. The sole legally binding document is the German original.

(2) The reasons given for withdrawing or failing to attend must be communicated in writing and at the earliest possible opportunity to the examination board; they must be credible. In the case of illness of the candidate or of a child in his/her care a doctor's certificate may be required; in particular cases of doubt, certification by a public health officer may be required. If the reasons are recognized, a new date for the exam will be set. In such a case, the existing exam results must be accredited.

(3) If the candidate attempts to influence the result of his/her assessed work using deception or resources which are not permitted, the relevant work will be given a grade of "insufficient" (5.0). A candidate who disrupts the regular proceedings of an exam may be excluded from continuing the exam by the examiner or invigilator; in this case the candidate's assessment for that exam will be given a grade of "insufficient" (5.0). In severe cases of items 1 and 2, the examination board may exclude the candidate from carrying out further assessment.

(4) The examination board decides on the recognition of reasons for absence or withdrawal. Within a time limit of one month, the candidate can request that decisions under paragraph (3) be reviewed by the examination board.

(5) If assessed coursework from other study programs is credited, the provisions of the relevant other degree program apply to deregistration, absence, withdrawal, deception and other breaches of regulations.

§ 26 Protection provisions

(1) The opportunity to claim statutory time off under the Maternity Protection Act as well as time off for parenting leave in accordance with the relevant law on parental benefits and on parenting leave (Bundeselterngeld- und Elternzeitgesetz – BEEG) is guaranteed. The examination board decides on whether to extend such time off periods and for how long, upon application. The opportunity to meet family obligations under § 32 (4) no. 5 Landeshochschulgesetz is guaranteed; the examination board decides on whether to extend such time off periods and for how long, upon application.

(2) Students who are unable to attend classes regularly or are unable to carry out expected assessed and non-assessed coursework or any other work due to lingering illness or due to lingering or permanent disability - without being unable to study - may apply to the examination board to complete their Master's examination within a reasonable period after the planned time limit under these exam regulations. The student must stipulate the length of time by which he/she seeks to extend the deadline; the examination board decides on the length of the extension. The application must be accompanied by relevant documentation, medical certificates in particular. The student is obliged to make notification of changes in the prerequisites for extension at the earliest possible opportunity. The examination board must check to see whether the changes in the prerequisites for extension mentioned above exist in fact and, if they do, the board must notify the student at the earliest possible opportunity of the new time limits.

(3) Activities as an elected member of statutory bodies or organs of the University or of student services (Studentenwerk) during at least one year does not have to be taken

This is a courtesy translation only. The sole legally binding document is the German original.

into account in the calculation of exam time limits; the decision rests with the University President.

§ 27 Invalidity of an examination or assessed coursework

(1) If the candidate has used deception in a piece of assessed work, the grade for that assessed work may be corrected even if the deception becomes known after the certificate has been issued. In such cases the exam or piece of assessed coursework may be declared “insufficient” and the Master's examination a fail, as applicable.

(2) If the requirements for admission to an exam or piece of assessed coursework were not met, and the candidate did not intend to deceive, and if the fact becomes known only after the certificate has been issued, this fault is remedied by the candidate having passed the exam or piece of assessed coursework. If the candidate deliberately obtained admission wrongfully, the pieces of assessment to which the deception applies may be declared “insufficient” and the grades for them corrected accordingly. For pieces of assessment made up of several components, the overall grades may be corrected accordingly and if appropriate in such cases declared “insufficient” - and the Master's examination may be declared a fail if appropriate.

(3) The candidate must be given a chance to speak on the matter prior to the decision. The option of withdrawing the Master's degree under statutory provisions remains unaffected by (1) and (2).

(4) The incorrect certificate as well as any incorrect transcript of records must be confiscated and a new one issued, where appropriate. Along with the incorrect certificate, the Master's degree is to be confiscated if the exam or piece of assessment has been declared a fail due to deception under (1) or (2) sentence 2. There can be no decision under (1) and (2) sentence 2 after a period of five years starting on the date of the certificate.

(5) The sections 1-4 apply accordingly to non-assessed coursework and any other additional work.

§ 28 Inspection of examination files

(1) For one year following the conclusion of the Master's examination process, graduates are guaranteed the right to inspect their Master's thesis and the examiner's reports relating to it as well as the minutes of any oral exam required at the end of their Master's degree studies, any oral exam on the contents of the Master's thesis and/or any final colloquium which is part of the thesis process.

(2) For the inspection of module-specific written assessed work and/or of the minutes of module-specific oral exams there is usually a time limit of four weeks after notification of the exam results. Additionally, general times for inspecting certain pieces of assessed work may be offered.

This is a courtesy translation only. The sole legally binding document is the German original.

(3) The relevant applications must be made in writing to the head of the examination board. The examination board determines the time and date of the inspection.

§ 29 Effective date and transitional arrangements

These exam regulations come into effect on the date of their publication in the University of Tübingen's official bulletin, the Amtliche Bekanntmachungen. Their first semester of validity is the winter semester 2019/20. Students who commenced their Master's program in Informatics/ Bioinformatics/ Media Informatics/ Machine Learning prior to the semester specified above are entitled to complete their Master's examination at the University of Tübingen under the respective prior exam regulations. If no application is made according to sentence 3, the provisions of these exam regulations apply. Coursework and assessment completed to date will only be accredited according to these exam regulations. These exam regulations do not grant any additional right to be examined; any fails in assessed work under the previous exam regulations will be included.

Tübingen, [...]

Professor Dr. Bernd Engler, President