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Study and examination regulations for the Master's Programme in

COMPUTER AND INFORMATION SCIENCE

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(as of 23 March 2015, and amended on 29 March 2016 and 20 July 2016, corrected on 13 September 2016)

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Preamble

The master's programme is aimed at graduates of the bachelor's programmes in Information Engineering and Computer Science as well as qualified newcomers, e.g. those with an above-average university degree in a related subject.

This programme offers advanced level studies in the areas of computer science and information science, particularly methods and systems to visualise, analyse, explore and process large amounts of data.

Graduates of bachelor's programmes worth 240 ECTS that are clearly related to Computer and Information Science may be admitted to the one-year option of the study programme.

I. General

§ 1 Objective of the master's examination

The master's examination provides an advanced university degree. To pass the master's examination, candidates have to show extensive and scientifically founded knowledge in computer and information science, and must be able to work independently according to scientific principles and apply scientific methods and insights.

§ 2 Academic degree

Once candidates have passed the master's examination, the academic degree "Master of Science" (abbreviated: "MSc") will be awarded.

§ 3 Structure of the study programme, standard period of study

(1) Credit points according to the European Credit Transfer System (ECTS) are acquired in an accumulation system. An ECTS credit corresponds to a work load of approximately 30 hours.

(2) The scope of the master's programme depends on the type of the previous studies and amounts to 60 or 120 ECTS-Credits, depending on the programme option (see attachment). When receiving the enrolment request, students will learn whether they are admitted to the one-year or two-year option of the master's programme.

(3) The standard period of study is two semesters for graduates of a four-year bachelor's programme related to Computer and Information Science, otherwise four semesters.

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(4) The master's programme is divided into three parts: the core area of studies, the supplementary area of studies, and the final part of studies. The courses that have to be taken are listed in the attachment and are described in detail in the module guide of the study programme. In the one-year master's programme students will not attend courses from the supplementary area.

a) In the *core area of studies* students will attend in-depth courses offered by the Department of Computer and Information Science. In-depth courses usually are lectures (and tutorials) or directed studies. Students can take part in additional seminars or projects after consulting their mentor and the departmental student advice service.

b) In the *supplementary area of studies* achievements in courses from all other departments can be recognised. In the supplementary area of studies, students might also attend courses of the course range of the bachelor's programmes in Computer Science and Information Engineering, if equivalent courses were not part of the student's bachelor's programme. To do so, a request to the Examination Board (*StPA*) is required. In the supplementary area of studies, a maximum of 6 ECTS credits from the courses of the Centre for Transferable Skills (SQ), the Language Institute, the International Office or transferable skills courses offered by the department can be recognised.

c) The *final part of studies* consists of a master's seminar, a master's project and a master's thesis with colloquium (thesis defence).

(5) Students can specialise within the master's programme. On request to the Examination Board (StPA), the area of specialisation will be stated in the examination certificate and degree certificate if the following requirements are met: the master's seminar, the master's project and the master's thesis are thematically related to the area of specialisation, and the student has successfully completed at least two additional in-depth courses from the area of specialisation.

(6) Every student of the master's programme has a university teacher of the department as mentor. Within the first semester the student will have a meeting with this mentor to discuss how to structure the contents of the study programme and whether this planned structure is compatible with these examination regulations. In particular, the student will choose a master's project, and discuss a potential area of specialisation and the intended orientation of the master's thesis. A written confirmation of this meeting, the mentor meeting report, will be submitted to the examination office of the department. This mentor meeting is a prerequisite for examination registration in the first semester.

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§ 4 Structure of examinations, deadlines

(1) The master's examination is comprised of course-related performance assessments described in the appendix, the master's thesis (§ 17) and the colloquium on the master's thesis (thesis defence) (§ 18). Examinations that were taken into account for the bachelor's degree (as a prerequisite for this master's programme) cannot be recognised for the master's programme.

(2) If the student does not complete course-related performance assessments worth a minimum of 30 ECTS credits within the first two semesters, the right to take examinations will expire unless the circumstances were beyond the student's control.

(3) The master's examination has to be completed within the standard period of study (see § 3 sec. 3). If the master's examination is not completed by the end of the fifth semester in case of the one-year standard period of study, or, in case of the two-year standard period by the end of the seventh semester, the right to take the examination expires unless the reasons for not completing the examination are beyond the student's control.

(4) If the reasons for not completing the examination are beyond the student's control, the Examination Board (*StPA*) grants an extension of the deadline upon written request and accompanied by the corresponding documentation.

(5) If the student has finally failed the master's examination, the chair of the Examination Board (*StPA*), supported by the Central Examination Office, will issue a written notification containing information on the options available for legal recourse.

(6) In this case students can, after presenting their certificate of exmatriculation, request a transcript providing details of completed performance assessments and corresponding grades, and information on performance assessments missing for the relevant part of the examination. It will also state that the student has finally failed that examination and/or the right to take examinations has expired.

§ 5   Examination Board (*StPA*)

(1) The Examination Board Computer and Information Science (*Ständiger Prüfungsausschuss, StPA*) is responsible for organising and conducting the examinations. Members of the Examination Board (*StPA*) are

- 2 university teachers
- 1 academic employee
- 1 student (advisory vote)

all from the Department of Computer and Information Science. The Study Commission Computer and Information Science appoints the Examination Board members entitled to vote for two years, the student member for one year.

(2) The Examination Board (*StPA*) elects its chair and vice-chair from among the university teachers.

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(3) The Central Examination Office of the University of Konstanz supports the Examination Board in organising the final examinations. The Examination Board (*StPA*) makes its decision in examination procedures according to the examination regulations. It ensures that the examination provisions are observed and suggests changes to the examination regulations. Subject to revocation, it may assign certain tasks to the chairperson.

(4) The members of the Examination Board (*StPA*) and their representation are legally bound to maintain confidentiality. Those who are not in civil service shall be sworn by the committee chair to maintain confidentiality.

(5) Decisions concerning examinations in courses from other departments will be taken jointly by the Examination Board Computer and Information Science and the Examination Board of the other subject. Where no such agreement is reached, the Central Examination Board of the university shall decide. To this end two competent members of the teaching staff of the relevant departments, at least one of them a university teacher, shall join the board in accordance with § 10 para. 1 no. 1 *LHG* (state law on education). These members are appointed according to the regulations of the Central Examination Board.

§ 6 Examiners and observers

(1) The Examination Board (*StPA*) appoints the examiners for the examinations including the master's thesis and corresponding colloquium. The Examination Board can task the chairperson with these appointments.

(2) Usually, university teachers and *Privatdozenten* (lecturers) are appointed as examiners for the master's thesis and corresponding colloquium. Academic employees who have many years of teaching experience may also be appointed as examiners, if they have been authorized by the University Executive upon recommendation of the Faculty Board to conduct examinations in accordance with § 52 para. 1 sentence 6 *LHG*.

(3) Furthermore, academic employees may, as an exception, conduct examinations if there are not enough university teachers available.

(4) Course-related performance assessments are conducted by the course instructors.

(5) Observers in an examination must have passed a master's examination in Computer and Information Science or equivalent.

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§ 7 Recognition of previous studies, coursework and performance assessments

(1) Periods of study as well as coursework and performance assessments in the same study programme or other programmes at a university or equivalent institution of higher education in Germany or abroad are recognised upon application, (in line with the ECTS-credits given for these achievements at the University of Konstanz according to these examination regulations), provided that the competencies thus acquired do not differ significantly from those they replace. The competencies are considered similar if contents, learning objectives and examinations largely correspond to the requirements of the master's programme in Computer and Information Science at the University of Konstanz. When recognising credits, the examination periods defined in these examination regulations are to be taken into account. Examinations cannot be recognised for the master's thesis.

(2) Paragraph 1 applies accordingly for periods of study, coursework and performance assessments completed in state-accredited university distance learning programmes as well as in state or state-accredited universities of cooperative education (*Berufsakademie*).

(3) For recognition of coursework and performance assessments completed before starting the master's programme in Computer and Information Science at the University of Konstanz, students have to file a once-only application until the end of the first semester. Later applications for recognition will not be considered. If the prerequisites (see para. 1 and 2) are met, students are legally entitled to recognition of credits. The required documents have to be submitted when applying for recognition.

(4) When recognising coursework and performance assessments completed outside of Germany, the following have to be considered:

- Recommendations of the *Kultusministerkonferenz, Zentralstelle für ausländisches Bildungswesen* (Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany, Central Office for Foreign Education)
- Agreements on Equivalence of the Federal Republic of Germany
- Agreements with partner universities.

(5) If coursework and performance assessments are recognised, the grades earned - insofar as the grading systems are comparable - shall be transferred and shall be included in the calculations made when determining the overall grade. If the grading systems are incompatible, the achievements shall be recorded as having been "passed". Recognition will be stated in the examination certificate.

(6) The corresponding Examination Board (§ 5 para. 1), or a person appointed by it, makes decisions as per paragraphs 1 - 4 in cooperation with the representatives of the subject.

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§ 7a Recognition of non-higher education achievements

(1) Non-higher education achievements can be assessed as coursework and performance assessments if the following apply:

- The knowledge and skills thus acquired are equivalent to the coursework and performance assessments they stand to replace

- The prerequisites for acceptance at an institution of higher education are met at the time credit is granted for such achievements

- The institution at which the knowledge or skills were acquired has implemented a quality assurance system

(2) An overall view must be taken and an overall assessment made when determining whether knowledge and skills are equivalent. They are considered equivalent if there is no significant difference between the knowledge and skills acquired. There is no significant difference if the knowledge and skills achieved outside of any institution of higher education largely correspond to the contents, learning objectives and requirements of the corresponding achievement in the study programme at the University of Konstanz.

(3) If equivalence cannot be determined, a placement test may be administered.

(4) A maximum of 30 ECTS-credits can be recognised for non-higher education achievements. For the one-year option (worth a total of 60 ECTS-credits), a maximum of 6 ECTS-credits can be recognised.

(5) Decisions on whether to recognise the achievements' and on the necessity and form of placement tests shall be made by the Examination Board (*StPA*) or an appointed representative.

§ 8 Non-attendance, withdrawal, leave of absence for family reasons, fraud, breach of regulations

(1) A performance assessment shall be given the grade "fail" (5.0), if the candidate does not attend the examination without adequate justification or withdraws without adequate justification after the examination has already started. The same applies if the candidate fails to complete a written performance assessment within the set time limit.

(2) Candidates must provide the Examination Board (*StPA*) with credible reasons for missing or withdrawing from an examination without delay. In the case of illness, a medical certificate, using the form provided by the Central Examination Office, has to be submitted stating the medical reasons for the inability to take the examination. If the reasons are accepted, the candidate will be informed that he/she has to take the performance assessment at the next examination date. In this case, examination results acquired up to that point shall be credited.

(3) If a candidate is able to verify by means of a medical certificate that he/she is unable to undergo an performance assessment in part or in full in the designated

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form due to a longer or permanent medical condition, the chair of the Examination Board (*StPA*) will allow him/her additional time or grant him/her permission to complete an equivalent type of performance assessment in a different form or time period. The same applies for coursework assignments.

(4) On request, the *Mutterschutzfrist* (maternity protection period), as defined by the applicable federal law in Germany on the protection of working mothers (*MSchG*) shall be taken into consideration. The required documentation must be submitted with the application. The *Mutterschutzfrist* interrupts all other periods defined in these examination regulations; this means that time spent on *Mutterschutz* (maternity protection) is not counted as elapsed time within these periods.

(5) Similarly, *Elternzeit* (parental leave) as defined in the German law on the parental leave allowance and parental leave (*Bundeselterngeld- und Elternzeitgesetz*, or *BEEG*) shall be recognised on request. The candidate has to inform the Examination Board (*StPA*) in writing on the planned period(s) of *Elternzeit*, including the required documentation, no later than four weeks before the *Elternzeit* shall begin. The Examination Board (*StPA)* will assess whether the legal prerequisites are met under which employees have the right to *Elternzeit* in accordance with the *BEEG*, and shall inform the candidate of their decision and, if applicable, of the new schedule for examination dates, without delay. The period allowed for completion of the written master's thesis cannot be interrupted by the *Elternzeit* period. If a thesis topic has already been assigned, the topic shall be revoked. After the *Elternzeit* period has ended, the candidate will be assigned a new topic.

(6) Students with family commitments that go beyond those set out in paragraph 5 can also apply for an extension of deadlines determined in these examination regulations. The required documentation must be submitted with the application.

(7) If a candidate attempts to influence the result of a performance assessment through fraud or the use of aids that are not permitted, the examination shall be graded "fail" (5.0). The relevant examiner or supervisor can exclude a candidate who has disturbed the proper proceedings of an examination from continuing the examination. In this case the corresponding examination is failed. For repeated or otherwise serious fraud or plagiarism cases, the Examination Board (*StPA)* may decide to deny the candidate permission to retake the examination, resulting in a complete loss of right to take examinations. Incriminating decisions by the Examination Board shall be stated in writing and sent without delay to the candidate, along with information on the options available for legal recourse. Before the Examination Board decides, the candidate will be given the opportunity to comment the case.

§ 9   Course and examination languages

(1) Courses are basically held in English, however, if there is no demand for English, courses may be held in German, too.

(2) Coursework and performance assessments can be completed both in English and in German if the examiner agrees.

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§ 10 Grades

(1) Grades for the individual examinations are determined by the examiner. The following grades are used:

1	= very good	= excellent performance;
2	= good	= performance well above average
3	= satisfactory	= average performance;
4	= sufficient	= performance that meets the requirements despite shortcomings
5	= fail	= performance that does not meet the requirements due to considerable shortcomings

For a more detailed evaluation of the candidate's performance, grades can be raised or lowered by a value of 0.3. Values of 0.7, 4.3, 4.7 or 5.3, however, are not permitted.

(2) If an examination is evaluated by more than one examiner, the grade shall be calculated by the arithmetic mean of the grades given by each of the examiners in accordance with para. 1. The grades shall be calculated to only one decimal place.

(3) The grades are as follows:
- an average up to 1.5 = very good
- an average above 1.5 up to 2.5 = good
- an average above 2.5 up to 3.5 = satisfactory
- an average above 3.5 up to 4.0 = sufficient
- an average above 4.0 = fail

(4) The examination is passed if the grade is "sufficient" (4.0) or better.

§ 11   Examination certificate and degree certificate

(1) All candidates who successfully pass their master's examination receive an examination certificate. The certificate states the courses and their components, the course grades relevant for the final degree, a note on successful participation in case of ungraded courses/courses not relevant for the final degree, the grade and the topic of the master's thesis, the grade of the colloquium on the master's thesis (thesis defence) and the overall grade.

(2) On request, the total time the student was enrolled in the master's programme until completion of the master's examination can be included in the certificate.

(3) If the overall grade is 1.3 or better, the student passes "with distinction".

(4) With the examination certificate, candidates also receive a degree certificate to confirm that they have earned the academic degree of Master of Sciences. The field of study will be named "Computer and Information Science" on the certificates. On request, an area of specialisation can also be stated in the documents.

(5) The documents will be signed by the chairperson of the Examination Board (*StPA*) and stamped with the seal of the University of Konstanz. The date on these

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documents shall be the date on which the last performance assessment was completed.

(6) An English translation and a Diploma Supplement according to the European Diploma Supplement Model, as well as a Transcript of Records are attached to the examination and degree certificate

II. Course-related performance assessments

§ 12 Registration and examination administration

(1) Students have to register for course-related performance assessments. The Examination Board (*StPA*) determines the registration dates and publishes this information along with the deadlines for registration.

(2) Further prerequisites for taking course-related performance assessments are announced at the beginning of the course. A prerequisite may be, for example, a candidate's written declaration on having participated in the corresponding course. This declaration is usually done interactively via an information system or via a form at the beginning of the semester. Another prerequisite may be the successful participation in exercises (see § 13, para. 1).

(3) Registration is only possible if the candidate is enrolled in the master's programme in Computer and Information Science at the University of Konstanz.

(4) A data processing system may be used for administrative aspects of examination organisation. In such cases, the students are required to check this system, at regular intervals and on specific occasions as needed, for information on the examinations. If they fail to do so and e.g. miss an examination they will have to bear the legal consequences.

§ 13 Conducting and repeating course-related performance assessments

(1) Course-related performance assessments are connected to a course and can be conducted in the form of papers, presentations, and written or oral examinations. Coursework, such as the successful participation in exercises, can be an admission requirement for the corresponding course-related performance assessment. An examination can also consist of several parts. In such cases it is announced at the beginning of the course how the final grade is calculated from the grades of the partial examinations, and what the conditions for passing and repeating are.

(2) Oral examinations are conducted by an examiner and an observer, and last between 20 to 30 minutes. Written examinations last between one and a half hours to three hours. Papers have to be written within a predetermined period of time and are usually combined with an oral presentation. Presentations consist of a talk of 30 to 90 minutes and a written report. Type and extent of the required course-related performance assessment is determined by the lecturer of the course and announced at the beginning of the semester.

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(3) Oral and written course examinations each take place on two dates subsequent to the course. The first date usually is in the last week of the semester or the first week of the semester break. The second date usually is in the last two weeks before the next semester starts. Examination dates are announced at the beginning of every semester. The results of the first examination date have to be available within four weeks, so that the second examination date may be used to retake the examination (if applicable), allowing for enough time to prepare for the examination.

(4) Students can retake examinations only once. Retaking examinations that have been passed is not permitted. If students cannot complete a retake on the dates mentioned in para. 3, they will take the examination in the context of the same course in the next academic year. If the retake is not completed within this time limit, the right to take this examination expires, unless the reasons for not completing the examination are beyond the candidate's control. If a candidate can no longer retake course-related performance assessments, he/she can compensate for that by successfully completing examinations in other, equivalent courses. The Examination Board (*StPA*) determines which courses are equivalent alternatives. Irrespective of this regulation, § 4 para. 2 and para. 3 apply.

§ 14 Performance assessments in courses from other departments

(1) Details on performance assessments in courses from other departments (registration, admission, procedure, form, scope and evaluation) are governed by the examination regulations of the study programme to which the course belongs. In addition to this, § 5, para. 5, applies.

(2) Achievements in courses from other departments have to be documented with records of academic achievement stating the result (grade or "passed"), the scope and the ECTS-credits of that course.

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III. Master's examination

§ 15 Admission requirements

(1) Students can only be admitted to the master's thesis if they

   a) have successfully completed the master's project and the corresponding seminar,

   b) submit proof of the mentor meeting (§ 3, para. 6) and

   c) have been enrolled at the University of Konstanz for at least one semester.

(2) Students can only be admitted to the colloquium on the master's thesis (thesis defence) if they

   a) have submitted their master's thesis and

   b) have passed all required course-related performance assessments in accordance with § 4 para. 1 (see also attachment) and documentation thereof has been entered into the examination administration system.

§ 16 Admission procedure

(1) The admission procedure for course-related performance assessments in the context of the master's examination is stated in § 12.

(2) Applications for admission to the master's thesis and the corresponding colloquium have to be submitted in writing to the Examination Board (*StPA*) via the Central Examination Office on the dates determined by the Examination Board. Documentation of meeting the admission requirements has to be attached to the application, as well as a declaration stating that the candidate has not lost his/her right to take examinations in the master's programme in Computer and Information Science. The applications for admission to the master's thesis and the corresponding colloquium can be combined, if all required coursework examinations can be accounted for.

(3) As a rule, students shall apply for admission to the master's thesis at the end of the second to last semester of the standard period of study. The application comprises suggestions for the topic and the reviewers. There is no guarantee that the suggestions will be considered. The application for admission to the colloquium on the master's thesis (thesis defence) may contain the request for an addendum to the certificate stating the selected area of specialisation. There is no right guaranteeing that the suggestion has to be considered.

(4) If the student does not apply for admission to the master's thesis within three months after passing the last of the course-related performance assessments required for the master's examination, the Examination Board (*StPA*) will assign a topic and a supervisor for the master's thesis. If the student does not apply for admission to the master's colloquium within three months after passing the last of the course-related performance assessments required for the master's examination and after successfully passing the master's thesis, the Examination Board (*StPA*) will assign a date and the examiners for the colloquium.

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(5) The Examination Board (*StPA*) is responsible for decisions regarding admissions. Admission must be denied if the candidate does not fulfil the requirements stated in § 15 para. 1 or 2, the application is incomplete or the candidate has finally failed the master's examination or lost the right to take examinations in the master's programme in Computer and Information Science.

(6) Permission is granted only under the condition that the student remains enrolled at the University of Konstanz until all required examinations have been completed, including any examination retakes. On request, the candidate must produce a valid certificate of enrolment.

§ 17 Master's thesis

(1) The master's thesis shall demonstrate that the candidate is able to independently and professionally work on an extensive topic from the field of Computer and Information Science within a predetermined time limit, applying scientific principles, and can present his/her approach in a suitable manner.

(2) The time period to complete the master's thesis is six months. The topic and task shall be determined in such a way that the thesis will not exceed a limit of 30 ECTS and the deadline to complete the thesis can be met.

(3) The Examination Board (*StPA*) assigns the topic of the master's thesis and appoints the reviewers. The Examination Office will keep this information on file.

(4) The topic can be given back only once and only within one month's time. In this case the candidate will immediately be assigned a new topic.

(5) If a candidate cannot complete the thesis within the prescribed time limit due to circumstances beyond his/her control, he/she can apply in writing to the Examination Board (*StPA*) for an extension of the deadline by a maximum of half of the time period allotted for the thesis. If these circumstances prevail after that time period, the topic is considered as given back. However, a new topic will be assigned only after these circumstances have ceased to prevail.

(6) The master's thesis has to be submitted to the Central Examination Office of the University of Konstanz in three bound or stapled copies within the prescribed time limit. One of the submitted copies shall remain with the Central Examination Office until the conclusion of the examination procedure. An electronic version of the thesis has to be attached to each of the three copies. When submitting the thesis candidates must provide written confirmation of being the sole author of the thesis and of not having used any sources or aids other than the ones stated. Candidates must retain any materials that can prove their sole authorship until the examination procedure has been concluded.

(7) Two reviewers will assess the master's thesis. One of the reviewers has to be a university teacher as per § 10 para. 1 no. 1 *LHG* (state law on education) at the Department of Computer and Information Science at the University of Konstanz. Usually the reviewers present their assessment (containing a grade) to the Examination Office within six weeks after submission of the master's thesis. The

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candidate has to present the findings of the master's thesis in a colloquium in the presence of the reviewers of the thesis (see § 18).

(8) A master's thesis is passed if the grade is "sufficient" or better. It is not passed if the grade is "fail".

(9) If one reviewer grades the thesis "sufficient" or better, and the other reviewer grades it "fail", the Examination Board (*StPA*) shall appoint a third reviewer. If the third reviewer grades the thesis "sufficient" or better, the thesis is passed. In this case the grade is 4.0, or is calculated from the grades of the three reviewers if that figure is better than 4.0. If the third reviewer grades the thesis "fail", the master's thesis has failed.

(10)   If the master's thesis is graded "fail", it can be repeated once. A new topic shall be assigned within three months after notification of the first result was given. A second repetition of the master's thesis is not permitted. The second topic can be given back only within the time limit mentioned in para. 4, if the candidate did not use this option while preparing the first master's thesis.

§ 18 Colloquium on the master's thesis (thesis defence)

(1) The colloquium on the master's thesis (thesis defence) is an oral examination on the contents of the master's thesis and questions from the subject area connected to the thesis. It is conducted by two examiners, usually those who have assessed the master's thesis.

(2) The Examination Board (*StPA*) sets and announces the date for the colloquium on the master's thesis.

(3) Duration of the colloquium on the master's thesis is approximately 90 minutes. It starts with the candidate's presentation of the essential findings of his/her master's thesis (duration max. 45 minutes). The colloquium may be carried out with the aid of electronic communications media.

(4) Students in the same study programme who have not yet registered for the same examination may be present as audience in proportion to the space available during the presentation, however, not during the consultation or the announcement of the examination result. If sufficient reason is given or on request of the candidate, the public may be excluded from the proceedings.

(5) The essential topics and results of the colloquium shall be recorded. Subsequently to the colloquium the candidate will be informed about the result.

(6) If the candidate does not pass the colloquium on the master's thesis, he/she can repeat the colloquium within four months after failing the first oral examination. If the examination is not completed within this time limit, the right to take this examination will expire, unless the reasons for not completing the examination are beyond the candidate's control.

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§ 19 Results of the master's examination

(1) The master's examination will be passed if the grades for all coursework and performance assessments mentioned in § 4 para. 1, are "sufficient" or better. The overall grade is calculated from the following three individual grades:

− 50 %: the arithmetic mean of the grades of the in-depth modules of the core area of studies based on the amount of the corresponding ECTS-credits (this means: excluding the grades from the supplementary courses/courses from other departments, approved bachelor's courses of the Department of Computer and Information Science, courses of the Centre for Transferable Skills, the Language Institute, the International Office or transferable skills courses offered by the department), of the master's project and of the seminar (final part of studies).

− 40%: the grade for the master's thesis.

− 10%: the grade for the colloquium on the master's thesis (thesis defence).

For the determination of the overall grade only one decimal place of the individual grade shall be taken into account. Additional decimal places shall be discarded without rounding. The overall grade shall be calculated to only one decimal place, too. Additional decimal places shall be discarded without rounding.

(2) If an examination graded "fail" cannot be repeated again (see §§ 4 para. 2 and 3, 17 para. 10, 18 para. 6), the master's examination is finally failed.

V. Final provisions

§ 20 Invalidation of the master's examination

(1) If a candidate has cheated on an examination and this fact is discovered after the certificate has been issued, the Examination Board (*StPA)* may subsequently correct the corresponding grades and may declare all or part of the examination failed.

(2) If the prerequisites for admission to an examination were not met, and this fact is discovered after the certificate was issued, the deficit shall deemed to have been rectified by the passing of the examination, provided the candidate had no intent to deceive. If the candidate intentionally practised deceit to obtain admission to the examination, the Examination Board (*StPA*) will decide.

(3) Before a decision goes into effect, the candidate shall be given opportunity to make a statement.

(4) The incorrect examination certificate shall be revoked and, if appropriate, a new certificate issued. If the master's examination is declared "fail" due to deceitful practices, the examination certificate as well as the degree certificate shall be revoked.

(5) Revocation of the academic degree shall be handled in accordance with statutory provisions.

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§ 21 Inspection of examination records

On request and within one year of the conclusion of the examination procedure, candidates are permitted to inspect their written examination records, the examiners' evaluations as well as the examinations minutes.

§ 22 Legal recourse

The candidate can object to decisions in the examination procedure that constitute an administrative act (§§ 68 et. seq. *VwGO*). The Vice-rector for Academic Affairs shall issue a ruling on the matter following a recommendation of the Central Examination Board, which shall hear the Examination Board (*StPA*) on that matter.

§ 23 Effective date and transitional provisions

(1) These examination regulations go into effect on 01 April 2015.

(2) At the same time the previously valid version of the examination regulations dated 04 March 2011 (*Amtliche Bekanntmachungen* (official announcements) 11/2011) as amended 01 August 2013 (*Amtliche Bekanntmachungen* 72/2013) become invalid.

(3) Students who began their study programme before the new version became effective continue their studies according to the new regulations.

(4) § 4 para. 2 does not apply to students who have begun their studies before the new examination regulations became effective.

(5) If students had started the study programme before this new examination regulations became effective, they could request that the name of the programme stated in their certificates be changed from "Information Engineering" to "Computer and Information Science". The request had to be made by 30 September 2015 at the latest. Otherwise they complete the study programme named "Information Engineering".

(6) The amendments as of 29 March 2016 become effective on the day they are announced in the *Amtliche Bekanntmachungen* of the University of Konstanz. Students who have begun their studies before the amendments became effective, can request to continue their studies in accordance with the previous regulations. This request has to be made when registering for the colloquium.

(7) The amendments as of 20 July 2016 become effective on the day they are announced in the *Amtliche Bekanntmachungen* of the University of Konstanz.

Appendix: **Structure of the master's programme**

| U N I V E R S I T Y   O F   K O N S T A N Z
Study and examination regulations for the master's programme in
COMPUTER AND INFORMATION SCIENCE | **B 4.0** |

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Note:

These examination regulations as of 23 March 2015 were published in the *Amtlichen Bekanntmachungen* of the University of Konstanz no. 18/2015.

The first amendment to these examination regulations (29 March 2016) was published in the *Amtlichen Bekanntmachungen* of the University of Konstanz no. 17/2016.

The second amendment to these examination regulations (20 July 2016) was published in the *Amtlichen Bekanntmachungen* of the University of Konstanz no. 36/2016, the correction of this amendment was published in the *Amtlichen Bekanntmachungen* of the University of Konstanz no. 45 /2016 (13 September 2016).

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Appendix 1 Structure of the master's programme

The stated number of weekly teaching hours (SWS) is non-committal. It merely indicates the extent of studies with class attendance the students may expect.

One-year option:

Semester	Courses	SWS (weekly teaching hours)	ECTS-credits
	Core area of studies		
1	In-depth courses offered by the Department of Computer and Information Science and equivalent courses	12	17
	Final part of studies		
1	Master's project	-	9
1	Seminar	2	4
2	Master's thesis and colloquium (thesis defence)	-	30
Sum final part of studies		**6**	**43**
Total final part + core area of studies		**18**	**60**

Two-year option:

Semester	Courses	SWS (weekly teaching hours)	ECTS-credits
	Core area of studies		
1-3	In-depth courses offered by the Department of Computer and Information Science and equivalent courses	40	60-77
	Supplementary area of studies		
1-3	Courses offered by other departments; In the supplementary area, a maximum of 6 ECTS credits can be recognised from bachelor's courses offered by the Department of Computer and Information Science (only upon request to the Examination Board *StPA*), other courses offered by the Centre for Transferable Skills, the Language Institute or the International Office.	12	0-17
	Final part of studies		
2. or 3.	Master's project	-	9
2. or 3.	Seminar	2	4
4.	Master's thesis and colloquium (thesis defence)	-	30
Sum final part of studies		**6**	**43**
Total final part + core area of studies + supplementary area of studies		**58**	**120**