Study requirements and examination regulations for the Master's programme
INFORMATION ENGINEERING

(as of 4 March 2011, corrected on 16 March 2011, and amended on 8 February 2012 and 1 August 2013)

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Appendix: Structure of the Master's Programme
Preamble
Information Engineering covers all aspects of computer-assisted activities along the process chain data - information - knowledge.

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

In the programme you will deepen basic knowledge of data collection and preparation, extraction and presentation of information and assessment and use of know-how particularly with a focus on exploration and visualisation of large information spaces.

Successful graduates are experts on utilisation-oriented processing of information.

I. General

§ 1 Objective of the Master's Examination
The Master's examination provides an advanced professional university degree. To pass the Master's examination, you must show that you have extensive and scientifically founded knowledge in Information Engineering, and are able to work independently according to scientific principles and apply scientific methods and insights.

§ 2 Academic Degree
Once you have passed the Master's examination, you will be awarded the academic degree "Master of Science" (abbreviated: "M.Sc.").

§ 3 Structure of the Programme, Standard Period of Study
(1) In an accumulation system you acquire credit points according to the European Credit Transfer System (ECTS). An ECTS credit corresponds to a work load of approximately 30 hours.
(2) The extent of the Master's Programme depends on the type of your previous studies and amounts to 60 or 120 ECTS-Credits, depending on your programme option (see attachment). The notification of admission to the Master's Programme will inform you according to which of the three options (elective area A, B or C) listed in the attachment you will do your Master's Programme.
(3) The standard period of study is two semesters if you have completed a four-year Bachelor's programme (connected to the current subject) or four semesters for the other programme options.
(4) The Master's Programme is divided in a compulsory elective area and an elective area. The courses you have to take are listed in the attachment and are described in detail in the module guide of the study programme. Important components are a Master's project and a Master's thesis with final colloquium.
(5) You can develop core priorities within the Master's Programme. On application, your core priority will be stated in your diploma and certificate.
(6) We recommend practical work experience in addition to your Master's
Programme. Your work experience should have duration of at least two months and you should do it during the semester break. You can work with e.g. private or public institutions in Germany or abroad. The Advisory Service of our Department will inform you about offers and the suitability of practical work experience options.

(7) Every student of the Master's Programme has a professor of the Department as mentor. Within the first semester you will have a meeting with this professor to discuss how you structure the contents of your programme and whether this structure is compatible with these examination regulations. In particular you will agree on a Master's project, which is to take into account your potential core priority and the intended orientation of your Master's thesis. This meeting will be confirmed in writing.

§ 4 Structure of Examinations, Deadlines

(1) The Master’s examination consists of coursework examinations (see attachment), a Master's thesis (§ 17) and a colloquium on the Master's thesis (§ 18). The number of coursework examinations depends on the selected courses, with a minimum number of 9 and a maximum of 22. Examinations that were taken into account for your Bachelor's degree (as a prerequisite for this Master's programme) cannot be recognised for the Master's programme.

(2) You have to complete the Master's examination within the standard period of study (see § 3 sec. 3). If you have not completed the Master's examination 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, permission to sit the exam is revoked unless the reasons for not completing the exam are beyond your control.

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

(4) If you have finally failed the Master's examination, the Central Examination Office shall send written notification along with information on the options available for legal recourse.

(5) If you have finally failed an examination or have lost your right to examination according to sec. 2, admission to this study programme expires (§ 32 sec. sentence 5 in conjunction with § 34 sec. 2 and 3 Landeshochschulgesetz LHG).

(6) On request and on presentation of your certificate of exmatriculation you will receive a certificate stating all examination achievements, including marks, so far, and also stating the missing examination achievements and the final failure of the corresponding examination, or that the right to examination has expired.

§ 5 Examination Board

(1) The Examination Board Information Engineering (Ständiger Prüfungsausschuss, StPA) is responsible for organising and setting the examinations. Members of the StPA are

- 2 professors
- 1 academic employee
- 1 student (advisory vote)
all from the Department of Computer and Information Science. The Department Council Information Engineering nominates the StPA members entitled to vote for two years, the student member for one year.

(2) The StPA elects its chairperson and vice-chair from among the professors.

(3) The Central Examination Office of the University of Konstanz supports the StPA in organising the examinations. The 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. It can revocably assign certain tasks to the chairperson. It regularly reports the development of examinations and periods of study to the Department, including the actual periods required for writing the Master's theses as well as an overview of the overall and subject marks. The report has to be conveniently disclosed.

(4) The members of the Examination Board 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 of non-specialist courses will be taken in agreement with the StPA and the Examination Board responsible for the other subject. Where no such agreement is reached, the Central Examination Board of the university shall decide. To this end two competent faculty members of the relevant departments, at least one of them a university teacher, shall join the committee according to § 10 sec. 1 no. 1 LHG. These members are appointed according to the regulations of the Central Examination Board.

§ 6 Examiners and Assessors

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

(2) Usually, university teachers and private lecturers are appointed as examiners for the Master's thesis and corresponding colloquium. Academic employees who have many years of teaching experience and who have been authorized by the University Executive to conduct examinations according to § 52 sec. 1 sentence 5 LHG may also be appointed as examiners.

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

(4) Coursework examinations are conducted by the course instructors.

(5) Assessors in an examination must have passed a Master's examination in Information Engineering or equivalent.

§ 7 Credit for Previous Studies, Coursework and Examination Results

(1) Periods of study as well as coursework and examination results 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, (commensurate to 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 Master's Programme Information Engineering at the University of Konstanz. For the transfer of credits the examination periods of 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 examination results achieved 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 examination results achieved before starting the Master's Programme Information Engineering at the University of Konstanz, you have to file a once-only application until the end of the first semester. Applications filed later will not be considered. If the prerequisites (see para. 1 and 2) are met, you are legally entitled to recognition of credits. You must submit the required documents when applying for credit recognition.

(4) When applying for credit for studies, coursework and examination results achieved outside of Germany, the recommendations of the Standing Conference of the Ministers of Education and Cultural Affairs (Central Office for Foreign Education) and the equivalency agreements of the Federal Republic of Germany, and agreements within the context of university partnerships, must be observed.

(5) If coursework and exam results are recognised, the marks earned - insofar as the marking systems are comparable - shall be transferred and shall be included in the calculations made when determining the overall mark. If the marking systems are not comparable, the mark "passed" shall be applied. A recognition will be stated in your diploma.

(6) The relevant Examination Board (see § 5 sec. 1), or a person appointed by it, makes decisions according to paragraphs 1 - 4 in cooperation with the appropriate representatives of the subject or department.

§ 7 a Credit for Extra-Curricular Achievements

(1) Non-university or non-college achievements can be assessed as course work and examination results if the following apply:

- The knowledge or skills thus acquired are equivalent to the course work and examination results they are to replace, and
- The prerequisites for acceptance at a college or university 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, and

(2) when assessing equivalency of knowledge or skills, an overall view must be taken and an overall appraisal made. Equivalency is given if there is no significant difference between the knowledge or skills imparted in the "European Master in Business" programme and those for which credit is sought. No significant difference exists if the skills achieved outside of any college or university largely correspond to
the content, educational objective and requirements in the study programme of the University of Konstanz.

(3) If the equivalence of the non-university/non-college achievements cannot be determined, a placement test may be administered.

(4) The limit of non-university or non-college achievements that can be recognised is a total of 30 ECTS-credits. The ECTS-credit limit is 6 if you are admitted to the elective area A (with a total of 60 ECTS-credits for the study programme).

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

(6) The regulations regarding recognition are not applicable until after the criteria for recognition within the scope of accreditation have been verified.

§ 8 Absence, Withdrawal, Parental Leave, Fraud, Breach of Regulations

(1) An examination shall be given the mark "not adequate" (5.0), if you do not attend the examination without adequate justification or if you withdraw without adequate justification after the examination has already started. The same applies if you do not complete a written examination within the set time limit.

(2) The explanation for withdrawing or missing the examination must be submitted to the StPA, and successfully defended, without delay. In the case of illness you have to submit a medical certificate stating the medical reasons why you are unable to take the test. If the reasons are accepted, you have to take the test at the next examination date. In this case, examination results acquired up to that point shall be credited to you.

(3) If you satisfactorily show, by presenting a medical certificate, that you cannot complete examinations entirely or partially due to prolonged or permanent health problems, the chairperson of the Examination Board permits the completion of the examination within an extended period of time or in another, equivalent form. The same applies to coursework.

(4) On application, the right to parental leave as defined by the applicable federal law in Germany (MSchG) shall be recognised. The required documentation must be submitted with the application. Parental leave interrupts all other periods defined in these examination regulations; in other words, the duration of parental leave is not counted as elapsed time within these periods.

(5) Similarly, parental leave as defined in the law on the parental leave allowance and parental leave ("Bundeselterngeld- und Elternzeitgesetz," or BEEG) shall be recognised on application. You have to inform the Examination Board in writing on the planned period(s) of your parental leave, including the required documentation, no later than four weeks before the parental leave shall begin. The Examination Board will assess whether the legal prerequisites are met under which employees have the right to parental leave in accordance with the BEEG, and shall inform you 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 may not be interrupted by parental leave. If you had already been assigned a thesis topic, the
topic shall be revoked. After the parental leave period has ended, you will be assigned a new topic.

(6) Students who have familial obligations beyond those described in Section 5 (above) can apply for an extension of the deadlines set down in these examination regulations. The required documentation must be submitted with the application.

(7) If you attempt to influence the result of your exam through fraud, plagiarism, or the use of aids that are not permitted, the examination shall be marked "not adequate" (5.0). A candidate who has violated the examination regulations can be excluded from continuing the examination by the relevant examiner or supervisor. In this case the examination is failed. For repeated or otherwise serious fraud or plagiarism cases, the Examination Board may decide to deny the candidate permission to re-sit the examination, resulting in a complete loss of right to examination. Incriminating decisions by the StPA shall be stated in writing and sent without delay to the candidate, along with information on the options available for legal recourse. Before the StPA 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) Course work and examinations can be completed both in English and in German.

§ 10 Determination of Marks

(1) Marks for the individual examination achievements are determined by the examiner. Examinations are marked using the following scale:

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

For more precisely differentiated marks, the values awarded 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 mark shall be calculated by the arithmetic mean of the marks given by each of the examiners according to para. 1. The marks shall be calculated to only one decimal place.

(3) The marks 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 = adequate
- an average above 4.0 = not adequate
(4) The examination is passed if the mark is "adequate" (4.0) or better.

§ 11 Diploma and Certificate

(1) After passing the Master's examination you will receive a diploma with the results. The diploma the acquired ECTS-credits as well as the marks of the coursework examinations, the mark and topic of the Master's thesis, the mark of the corresponding colloquium and the overall mark.

(2) On request the duration of studies until completion of the Master's examination can be included in the diploma.

(3) If your overall mark is 1.3 or better, you pass "with distinction".

(4) A certificate shall be awarded together with the diploma, certifying that the candidate has earned an academic Master's degree. The field of study will be named "Information Engineering" on the certificate and the Master's examination diploma. On request, a special focus can also be listed on the documents.

(5) The chairperson of the StPA signs the diploma and certificate and stamps the documents with the seal of the University of Konstanz. The date on these documents shall be the date on which the last examination was completed.

(6) An English translation and a Diploma Supplement according to the suggestions of the German Rector’s Conference (HRK) are attached to the diploma and certificate.

II. Coursework Examinations

§ 12 Registration and Examination Administration

(1) For coursework examinations you register with the course instructor. To register for written examinations, you have to hand in the examination sheet. For oral examinations, presentations and papers, you register by agreeing on a date or deadline.

(2) To take a coursework examination, you have to declare in writing that you have participated in the corresponding course. This declaration is usually done interactively via an information system or via a form in the first four weeks of the semester. Another prerequisite may be the successful participation in exercises (see § 13, para. 1). Such further prerequisites are announced at the beginning of the course.

(3) You can only register if you are admitted to and enrolled in the Master's Programme Information Engineering at the University of Konstanz.

(4) A data processing system may be used for administrative aspects of exam 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. The consequences, including any legal consequences, of absence from an examination shall be borne by the student.

§ 13 Conducting and Repeating Coursework Examinations

(1) Examinations for coursework are connected to a course and can be conducted in the form of papers, presentations, and written or oral examinations. Course
achievements, such as the successful participation in exercises, can be an admission requirement for the corresponding coursework examination. An examination can also consist of several parts. In such cases you will learn at the beginning of the course how the final mark is calculated from the marks of the partial examinations, and what the conditions for passing and repeating are.

(2) Oral examinations are conducted by the course instructors and an assessor, and last between 20 to 30 minutes. Written examinations last between two 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 coursework examination is determined by the course instructor and announced at the beginning of the semester.

(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 re-sit the examination (if applicable), allowing for enough time to prepare for the examination.

(4) You can re-sit examinations only once. Resitting exams that have been passed is not permitted. If a re-sit cannot be completed on the dates mentioned in para. 3, you will sit the exam in the context of the same course in the next academic year. If the re-sit is not completed within this time limit, your right to sit this examination will be revoked, unless the reasons for not completing the examination are beyond your control.

§ 14 Examinations of Non-Specialist Courses

(1) Details on the examinations of non-specialist courses (registration for and admission to exams, as well as the procedure, form, content and evaluation of exams) are governed by the examination regulations which apply to the curriculum for the programme to which the course belongs. Otherwise, § 5, para. 5, applies.

(2) Non-specialist course examinations have to be documented with a course assessment stating the mark, the duration and the ECTS-credits of that course.

III. Master's Examination

§ 15 Admission Requirements

(1) You can only be admitted to the Master's thesis
   a) if you have successfully completed the Master's project and the corresponding seminar,
   b) if you have proof of the meeting with your mentor (§ 3, sec. 7) and
   c) if you have been enrolled at the University of Konstanz for at least one semester.

(2) You can only be admitted to the colloquium on the Master's thesis
a) if you have handed in your Master's thesis and
b) if you have passed all required coursework examinations and course achievements according to § 4 para. 1 (see also attachment).

§ 16 Admission Procedure

(1) Registration for coursework examinations in the context of the Master's examination is described in § 12.

(2) You have to submit your applications for admission to the Master's thesis and the corresponding colloquium in writing to the StPA via the Central Examination Office on the dates determined by the StPA. You have to attach documentation of meeting the admission requirements to the application, as well as a declaration whether you have already failed a Master's or Diplom examination in Information Engineering, Computer Science or Information Science and whether you are in another examination procedure. 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, you 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 examiners. There is no guarantee that your suggestions will be considered. The application for admission to the colloquium on the Master's thesis may contain the suggestion for an additional note in your diploma stating the selected core priority of your studies. There is no right guaranteeing that your suggestion has to be considered.

(4) If you do not apply for admission to the Master's thesis within three months after passing the last of the course examinations required for the Master's examination, the StPA will assign a topic and a supervisor to you. If you do not apply for admission to the Master's colloquium within three months after passing the last of the course examinations required for the Master's examination and passing the Master's thesis, the StPA will assign a date and the examiners for the colloquium to you.

(5) The StPA is responsible for decisions regarding admissions. Admission has to be denied if the requirements mentioned in § 15 para. 2 have not been met, the application is not complete, or the candidate has finally failed the Master's or Diplom examination in Information Engineering, Computer Science or Information Science or has lost the right to examination in these study programmes at a German university.

(6) When permission is granted, then only with the understanding that the student shall remain enrolled at the University of Konstanz until all required exams have been completed, including any repeated examinations. Proof of enrolment must be submitted in the form of a certificate of enrolment on request.

§ 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 Information Engineering within a predetermined time limit, applying scientific principles, and can present his/her approach in a suitable manner.
The time period allotted for 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 StPA assigns the topic of the Master's thesis and appoints the examiners. The Examination Office will keep this information on file.

(4) You can give back the topic only once and only within one month's time. You will immediately be assigned a new topic.

(5) If you cannot complete the thesis within the prescribed time limit due to circumstances beyond your control, you can apply in writing to the 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, you will only be assigned a new topic after these circumstances have ceased to prevail.

(6) You have to hand in your Master's thesis at the 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 Examination Office until the conclusion of the examination procedures. When submitting the thesis you must affirm in writing that you have completed the thesis alone, with no aids or sources other than those explicitly stated. You shall keep available all materials which can prove your sole responsibility in preparing the thesis until the completion of the examination procedures.

(7) Two examiners will assess the Master's thesis. One of the examiners has to be a university teacher pursuant to § 10 para. 1 no. 1 (LHG) of the Department of Computer and Information Science at the University of Konstanz. Usually the examiners present their assessment (containing a mark) to the Examination Office within six weeks after submission of the Master's thesis.

(8) The findings of the Master's thesis have to be presented in a colloquium in the presence of the examiners of the thesis (see § 18).

(9) A Master's thesis is passed if the mark is "adequate" or better. It is not passed if the mark is "not adequate".

(10) If one examiner marks the thesis with "adequate" or better, and the other examiner marks it "not adequate", the Examination Board shall name a third examiner. If the third examiner marks the thesis "adequate" or better, the thesis has passed. In this case the mark is 4.0, or is calculated from the marks of the three examiners if that figure is better than 4.0. If the third examiner marks the thesis "not adequate", the Master's thesis has failed.

(11) If the Master's thesis is marked "not adequate", you can repeat it once. You shall be assigned your new topic within three months after receiving the first result. A second repetition of the Master's thesis is not permitted. You can only give the second topic back within the time limit mentioned in para. 4 if you did not use this option while preparing your first Master's thesis.

§ 18 Colloquium on the Master's Thesis

(1) The colloquium on the Master's thesis 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 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. First you will present the essential findings of your 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, the public may be excluded from the proceedings on request of the candidate.

(5) The essential topics and results of the colloquium shall be recorded. The result is to be announced to the candidate subsequent to the colloquium.

(6) If you do not pass the colloquium on the Master's thesis, you can repeat the colloquium within four months after failing the first oral examination. If the examination is not completed within this time limit, your right to sit this examination will be revoked, unless the reasons for not completing the examination are beyond your control.

§ 19 Results of the Master's Examination

(1) You have passed the Master's examination if the mark for all coursework and examination results mentioned in § 4 para. 1, is "adequate" or better. The overall mark is calculated from the following three individual marks:

- 50%: the arithmetic mean of the marks of the coursework examinations according to § 4 para. 1, based on the amount of the corresponding ECTS-credits.
- 40%: the mark for the Master's thesis.
- 10%: the mark for the colloquium on the Master's thesis.

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

(2) If an examination marked "not adequate" cannot be repeated again (see §§ 4 para. 2, 13 para. 4, 17 para. 10, 18 para. 6), you have finally failed the Master's examination.

V. Final Provisions

§ 20 Invalidation of the Master's Examination

(1) If a candidate has cheated on an exam and this fact is discovered after the diploma has been issued, the StPA may correct the marks for the exam on which the candidate cheated, and may declare all or part of the examination failed.
(2) If the prerequisites for an exam taken were not met, and this fact is discovered after the diploma has been issued, the deficit shall deemed to have been rectified by the passing of the exam, provided the candidate had no intent to deceive. If the candidate intentionally practised deceit to obtain admission to the exam, the StPA will decide.

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

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

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

§ 21 Inspection of Records

Within one year of the conclusion of the examination procedure, you will be permitted to inspect your written examination records, the evaluations by the examiners, and the minutes of the examinations on request and within a reasonable period of time.

§ 22 Legal Recourse

You can object to decisions in the examination procedure that constitute an administrative act (§§ 68 et. seq. VwGO). The Vice Rector of Study Programmes shall issue a ruling on the matter following a recommendation of the Central Examination Board, which shall hear the StPA on that matter.

§ 23 Effective Date and Interim Regulations

(1) The examination regulations go into effect on 1 April 2011.

(2) At the same time the previously valid version of the examination regulations dated 17 March 2006 (Amtliche Bekanntmachungen 20/2006), as amended 4 April 2008 (Amtl. Bekm. 17/2008) expires.

(3) Students who began their study programme before the new version went into effect continue their studies according to the new regulations.

(4) On request (deadline: 1 May 2011) you can continue your studies according to the previously valid version.
Appendix

Note:
These examination regulations as of 4 March 2011 have been published in the Amtlichen Bekanntmachungen (Official Bulletin) of the University of Konstanz no. 11/2011, and corrected on 16 March 2011 (Amtl. Bekm. Nr. 15/2011).

The first amendment to these regulations (8 February 2012) was published in the Amtlichen Bekanntmachungen of the University of Konstanz no. 4/2012.

The second amendment to these regulations (01 August 2013) was published in the Amtlichen Bekanntmachungen of the University of Konstanz no. 72/2013.
Appendix: Structure of the Master's Programme

The stated number of semester periods per week (SWS) is non-committal. It merely indicates the extent of studies with class attendance you may expect.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>SWS (semester periods per week)</th>
<th>ECTS-credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3</td>
<td>Master's project</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>1-3</td>
<td>Seminar</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>last</td>
<td>Master’s thesis and colloquium</td>
<td>-</td>
<td>30</td>
</tr>
<tr>
<td>Total of compulsory area</td>
<td></td>
<td>6</td>
<td>43</td>
</tr>
</tbody>
</table>

**Elective area A:** Students who have completed a study programme (minimum duration of four years) at an institution of higher education in Information Engineering, Computer Science or a related subject.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>SWS (semester periods per week)</th>
<th>ECTS-credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In-depth courses offered by the Department of Computer and Information Science and equivalent courses</td>
<td>12</td>
<td>17</td>
</tr>
<tr>
<td>Total of elective area A</td>
<td></td>
<td>12</td>
<td>17</td>
</tr>
</tbody>
</table>

**Elective area B:** Students who have completed a study programme (duration less than four years) at an institution of higher education in Information Engineering, Computer Science or a related subject

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<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>SWS (semester periods per week)</th>
<th>ECTS-credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3</td>
<td>In-depth courses offered by the Department of Computer and Information Science and equivalent courses</td>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>1-3</td>
<td>In-depth courses offered by the Department of Computer and Information Science and equivalent courses or non-specialist courses offered by any other department</td>
<td>12</td>
<td>17</td>
</tr>
<tr>
<td>Total of elective area B</td>
<td></td>
<td>52</td>
<td>77</td>
</tr>
</tbody>
</table>

**Elective area C:** Students who have not completed a study programme in Information Engineering, Computer Science or a related subject at an institution of higher education.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>SWS (semester periods per week)</th>
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</thead>
<tbody>
<tr>
<td>1-3</td>
<td>In-depth courses offered by the Department of Computer and Information Science and equivalent courses</td>
<td>52</td>
<td>77</td>
</tr>
<tr>
<td>Total of elective area C</td>
<td></td>
<td>52</td>
<td>77</td>
</tr>
</tbody>
</table>

Sum total of compulsory area + elective area **18 or 58** 60 or 120