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Heidelberg University Examination Rules and Regulations for the Master's Degree Programme in Healthcare Research and Implementation Science in Healthcare

as of 17 June 2015

On the basis of § 32 of the Act on Higher Education of the Land of Baden-Württemberg (Landeshochschulgesetz – LHG), last amended by the Third Act on the Amendment of Higher Education Law Provisions (Drittes Hochschulrechtsänderungsgesetz – 3. HRÄG) of 1 April 2014 (Official Register (Gesetzblatt - Gbl.) of 8 April 2014, p.99), the following examination rules and regulations for the Master's degree programme in Healthcare Research and Implementation Science in Healthcare were approved by the Senate of the University of Heidelberg on 3 February 2015.

The approval of the Rector was granted on 17 June 2015. Preamble

All titles in this document, be they official, job, status or functions, are used in masculine form, however they refer to men and women equally and may also be used in the corresponding feminine form.

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Section I: General provisions

§ 1 Purpose of the academic programme and examination

- (1) The objective of the Master's degree programme in Healthcare Research and Implementation Science in Healthcare is to qualify students to meet the future challenges facing healthcare systems. The scientific methods and concepts that have been acquired during the Bachelor's degree programme will be intensified and expanded. This academic qualification offers the potential for further research and therein, the opportunity to develop new fields of research, since the call for interdisciplinary research projects in healthcare is on the rise. The Master's degree programme Healthcare Research and Implementation Science in Healthcare specifically prepares students to implement new findings and methods in healthcare practice, qualifying them to actively participate in the development of innovative provision models and the reorganisation of healthcare facilities. The scientific orientation of the degree programme prepares students to evaluate implemented approaches on a target-oriented basis.
- Graduates of the Master's degree programme contribute to the evidence-based and sustainable improvement of healthcare systems through such activities as developing and implementing suitable approaches to ensuring healthcare provision, or by promoting specialised healthcare and encouraging the active participation of patients through, for instance, the implementation of municipal healthcare conferences or other structures that will allow patients and providers to network with one another.
- Graduates of the Master's degree programme contribute to the professional development of healthcare professions, especially in the interdisciplinary collaboration between healthcare systems.
- (2) The purpose of the Master's examination is to assess whether students have mastered the basics of the subject, have an overview of the interrelationships between the individual disciplines, and have acquired the necessary fundamental skills, both methodological and practical, to enter a profession.

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- (3) The requirements for admission to this degree programme are set forth in the Admission Regulations, published separately.

§ 2 Master's degree

Upon successful completion of the Master's examinations, Heidelberg University will confer the academic degree of "Master of Science" (abbreviated to "M.Sc.").

§ 3 Standard period of study, programme structure and range of courses offered

- (1) The standard period of study for the Master's degree programme is four semesters, including examinations. Successful completion of the Master's degree programme requires a total of 120 credits (CP- credit points) for both compulsory and elective courses.
- (1a) Students may be admitted to part-time studies upon application. Details are subject to the applicable version of the regulations on part-time study at Heidelberg University (Teilzeitstudienordnung - TeilzeitstudienO). Admission to part-time studies extends the standard period of study and the deadlines for taking examinations for the first time in accordance with the stipulations set forth in these regulations. With regard to processing times for written examinations, § 4, paragraph 3, Part-time Programmes-O (TeilzeitstudienO) must be taken into account.
- (2) The Master's programme is a modular programme, comprising a total of 120 credits; the interdisciplinary competencies comprising 10 credits are integrated in the specialised modules. 30 credits will be awarded for the Master's thesis. The modules to be taken and their corresponding courses are listed in Appendix 1. The recognition of professional education and examinations, in accordance with § 7, is an integral part of the concept for this degree programme.
- (3) Generally, the language of instruction and examination is German. Lectures and examinations may also be held or taken in English.

§ 4 Modules, credits and list of grades

- (1) A module is a teaching unit, self-contained in terms of both time and content and comprised of various lectures and courses. It not only comprises the lectures and courses attended, but also the components necessary for a passing grade in the module.
- (2) The Master's thesis is regarded as individual module. The interdisciplinary competencies may be integrated partially or completely into the major subject areas.

- (3) A distinction is made between
- compulsory modules: must be completed by all students
 - compulsory elective modules: students may select these from a limited subject area
 - optional modules: students may freely choose these from the modules offered in their subject.
- (4) All components within a module must be graded as "sufficient" (4.0) or higher (=sub-module grades) for the complete module to be passed.
- (5) Credits are given for successfully completed modules, including their individual components. One credit corresponds to a workload of 30 hours.
- (6) A transcript of grades (transcript of records) will be issued at the end of each semester. listing all module examinations students have passed, including the corresponding credits and grades.

§ 5 Examinations board

- (1) The examinations board is responsible for the organisation of examinations and the tasks required by the examination rules and regulations. It is made up of three professors, a research assistant representative, and a student representative who serves in an advisory capacity. The faculty council appoints the chairperson, the deputy, and the other members of the examinations board for a period of two years each. The student representative is appointed for one year. The chairperson and the deputy chairperson must be professors.
- (2) The examinations board ensures that the examination rules and regulations are upheld and provides recommendations for further improving the curriculum and the examination rules and regulations. It appoints the examiners and observers involved in examinations. The examinations board may confer responsibility for appointing examiners and observers to its chairperson. The board may be called upon for all questions regarding examinations.
- (3) The chairperson manages the business of the examinations board, prepares and chairs its meetings and, in the event of a tie vote, has the deciding vote.
- (4) The examinations board may confer further responsibility to its chairperson, or to another person authorised by the institute, provided this does not violate applicable law. Such a decision may be revoked at any time. The examinations board must be informed on a regular basis about the execution of these tasks.
- (5) Members of the examinations board have the right to attend examinations.

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- (6) Members of the examinations board, examiners and observers are obligated to maintain professional confidentiality. Members who are not civil servants are sworn to secrecy by the chairperson.
- (7) The candidate must be informed of negative decisions of the examinations board immediately and in writing; the reasons for the decision must be stipulated and information on the procedure for appeal must be provided.

§ 6 Examiners and observers

- (1) In general, examinations which are not completed during the course of study may only be carried out by professors, associate professors, or research associates who, on the basis of long-standing teaching experience, have been granted the right to conduct examinations. Research assistants, research associates, adjunct lecturers and lecturers with special responsibilities may only be appointed to conduct examinations under exceptional circumstances, when there is not enough qualified faculty personnel available to conduct examinations.
- (2) Observers must have sat the corresponding Master's examination or equivalent.
- (3) The candidate is permitted to propose an examiner for the Master's thesis; however, this does not constitute entitlement to be examined by a particular examiner.
- (4) The chair of the examinations board ensures that candidates are given sufficient advance notice of examiners' names.
- (5) Generally, the examination is held by the instructor of the course in question.

§ 7 Recognition of course credits, examination results and academic degrees

- (1) Examination prerequisites and results, as well as academic degrees obtained through degree programmes at German universities or universities of cooperative education (state or state-recognised), or at foreign universities (state or state-recognised), will be recognised as long as there is no significant difference concerning the skills acquired, courses taken and degree obtained through the programme. This recognition is required in order to continue an academic programme, take examinations, enrol in a further academic programme or be admitted to a doctoral programme. The validity of § 15, paragraphs 3 and 4 LBG (State Public Service Law) remains unaffected.
- (2) Preliminary and intermediate examinations taken at other German universities in the same degree programme or in a similar degree programme will be recognised. Courses completed at recognised distance-learning institutions

will be considered equivalent to those in a corresponding traditional degree programme with regard to determining the duration of study.

- (3) It is the applicant's responsibility to provide all information necessary for credits to be recognised. It is the responsibility of the office which carries out the recognition procedure to prove that an application does not fulfil the requirements.
- (4) If agreements exist between the Federal Republic of Germany and other states concerning equivalent university degree programmes (Equivalency Agreements) that favour students from other states by way of derogation from paragraph 1 and § 29, paragraph 2, sentence 5 of the LHG (Act on Higher Education of the State of Baden-Württemberg), the rules and regulations in the Equivalency Agreement take precedence.
- (5) Examination results are to be graded on the basis of a credit system that allows credits from equivalent or similar degree programmes to be recognised; this also applies to universities of cooperative education, provided that equivalence is established.
- (6) Knowledge and skills acquired outside of the higher education system are to be recognised if
1. the requirements for university admission are fulfilled at the time of recognition,
 2. the knowledge and skills to be recognised for the university degree programme are equivalent in both content and level to the course credits and examinations which they are to replace, and
 3. the criteria for recognition have been verified in an accreditation.

A maximum of 60 credits will be recognised. A Master's thesis will not be recognised. If documentation of individual examinations that would provide evidence of specific knowledge and skills cannot be provided, the examinations board may request the completion of a placement test.

- (7) For refresher courses, credits may be given for courses and examinations. When recognising credits from refresher courses for a university degree programme, paragraphs 2 and 5 as well as paragraph 6 sentence 1 no. 1 apply accordingly. When recognising knowledge and skills gained outside a university degree programme for refresher courses, paragraph 6 applies accordingly.

§ 8 Unexcused absences, withdrawal, deception and breaches of regulations

- (1) An examination is graded as "failed" (5.0), if a candidate fails to appear and is unable to provide a valid reason for his or her absence, or, if the candidate withdraws after the examination has started. The same applies if the candidate

fails to provide a written examination by the established deadline, unless the candidate is not at fault for the deadline being exceeded.

- (2) Reasons for withdrawal or absence, in accordance with paragraph 1, must be plausible and must immediately be submitted in writing to the examinations board. If the candidate, or a child or relative for whom the candidate is generally the sole caregiver, is ill, a medical certificate must be provided. In the event of doubt, a medical certificate from a designated physician may be required. If the reasons stated are accepted, a new examination appointment will be scheduled. In this circumstance, examination results that are already available will be taken into account.
- (3) When deciding whether the candidate is at fault for exceeding a deadline for registration, or taking an examination, the examinations board must respect the provisions stated in the Maternity Protection Act and the legal regulations concerning parental leave, and allow candidates to make appropriate use of these provisions. The same applies for students with disabilities or chronic illnesses, or for students with dependent relatives, in accordance with § 7 paragraph 3 of the Home Care Leave Act (Pflegezeitgesetz).
- (4) If the candidate attempts to influence the examination results through cheating or by using unauthorised aids, the examination results will be graded as "failed" (5.0). If a candidate disrupts the proper course of the examination, he or she may be excluded from continuing the examination by the examiner or examination supervisor, in which case the examination will be graded as "failed" (5.0). In extreme cases, the examinations board may exclude the candidate from all further examinations.
- (5) With regard to paragraph 4, sentences 1 and 2, within a period of 7 days, the candidate may request that the decision be validated by the examinations board. The candidate must be informed of negative decisions immediately and in writing; the reasons for the decision must be stipulated and information on the procedure for appeal must be provided.

§ 9 Types of examinations completed during the course of study

- (1) Examinations completed during the course of study include:
 1. oral examinations
 2. written examinations
- (2) If candidates provide a medical certificate that plausibly proves that they are not able to take examinations in the form prescribed, whether completely or partially, due to permanent or chronic health problems, the examinations board may allow them to take an equivalent examination. The same applies to examination prerequisites.

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- (3) Examinations may be taken in oral-practical form (e.g. demonstration with patients), and/or media-supported form (computer, audio, video), and/or as part of a course (e.g. presentation).

§ 10 Oral examinations completed during the course of study

- (1) In oral or oral-practical examinations, candidates should be able to prove that they are able to identify interrelationships within the examination subject matter and relate specified problems to these interrelationships. Additionally, the purpose of the oral examination is to assess whether the candidate has adequate basic knowledge of the field of study.
- (2) An oral or oral-practical examination lasts between 10 and 60 minutes. Examinations may be taken as group examinations, with a maximum of 5 candidates. The duration of the examination may be extended accordingly. In this circumstance, each candidate will be examined individually for no longer than 45 minutes.
- (3) Students seeking to take the same examination at a later date may be allowed to observe the examination. Observers may not be present for the assessment or announcement of the examination results. Upon request of the candidate, or for other valid reasons, the examination may be closed to visitors.

§ 11 Written examinations completed during the course of study

- (1) In written examinations, candidates should show that they are able to recognise problems relating to their subject and find solutions for them using subject-specific methods and within limited time and resources.
- (2) A written examination lasts between 30 and 240 minutes. Multiple choice questions are permitted.
- (3) Multiple choice questions are generally set by the lecturer responsible for a course, who is appointed by the examinations board. The examination questions must correspond to the knowledge imparted in the course, and must provide reliable examination results. Before assessing the examination results, the examiner responsible, as determined in sentence 1, must ensure that the questions for the examination have met the requirements set forth in paragraph 3, sentence 2. If the examiner finds that individual examination questions are incorrect, these questions may not be considered when assessing the examination results. In such a case, the number of given questions is reduced accordingly and the assessment of the examination must be based on this reduced number. Reducing the number of questions must not have negative consequences for the candidates.

An examination carried out as a multiple choice examination is considered to be passed, when at least 50% of the questions were answered correctly, or

when the number of the candidate's correctly answered questions is not lower than 22% of the average examination results of all candidates (non-referenced grading). For examinations that are being taken for the second time, non-referenced grading may only be applied with prior approval from the examinations board.

In lieu of the 50% clause, a level of expectation, to be determined by at least two of the instructors responsible for the examination design, may be formulated (setting of standards).

If a candidate has correctly answered the required number of questions for passing, the multiple choice examination must be assessed as follows: For non-referenced grading, the scale for assessment is moved linearly by the difference between the absolute and relative threshold for passing.

Perc ent	corre spon ds to	g r a
> 55		3
> 60		3
> 65		3
> 70		2
> 75		2
> 80		2
> 85		1
> 90		1
> 95		1

- (4) If a written examination component is taken as a term paper, candidates must assure that they are the authors of their work and have used no sources or aids other than those indicated.
- (5) The evaluation period for written examinations should not exceed four weeks.

§ 12 Assessment of examinations

- (1) Grades for the individual examinations are determined by the respective examiners. The following grades must be used for assessment of examinations:

1 = very good	=	an outstanding performance;
2 = good	=	a performance which lies substantially above average requirements;
3 = satisfactory	=	a performance which fulfils average requirements;

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4 = sufficient	=	a performance which, despite deficiencies, still meets the requirements;
5 = failed	=	performance which, due to considerable deficiencies, does not meet the requirements.

For more detailed assessment of examination performance, grades may be further differentiated by increasing or decreasing the individual grades by 0.3; however, the grade 0.7 and incremental grades above 4.0 may not be used.

(2) The final module grade is calculated on the basis of the unrounded values of module examination components, weighted according to the number of credits earned. If a final examination is to be completed within a module, the grade from this final module examination constitutes the grade for this module.

(3) Grading for the final module grade, and the overall Master's examination grade

is as follows: for an average up to and including 1.5	very good
for an average of between 1.6 and up to/including 2.5	good
for an average of between 2.6 and up to/including 3.5	satisfactory for an
average of between 3.6 and up to/including 4.0	sufficient

(4) When calculating final module grades and the overall Master's examination grade, in accordance with paragraph 3, only the first decimal after the point is taken into account, without rounding. The other decimals are dropped without rounding.

(5) The Master's examination is passed when all examination components have been graded as "sufficient" (4.0) or higher. When calculating the overall grade for the Master's examination § 18, paragraph 2 applies accordingly.

(6) In addition to the final grade calculated according to the German system, students who have passed the examination components will also be awarded a relative grade according to the following scale:

A	the top 10%
B	the subsequent 25%
C	the subsequent 30%
D	the subsequent 25%
E	the subsequent 10%

The letter grades are calculated based on the examination results of the total graduating class, as well as the graduating classes from two or more previous years, depending on the number of students in the current graduating class. For degree grades, the ECTS grade must be added. For individual modules,

the ECTS grade may be listed when possible and necessary.

- (7) Examination results may be appealed within a period of one month. Appeals must be made in writing, addressed to the chairperson of the examinations board.

Section II: Master's examination

§ 13 Master's examination admission requirements

- (1) Admission to the Master's examination in Healthcare Research and Implementation Science in Healthcare will only be authorised for those who:
1. are enrolled at Heidelberg University in the Master's Degree Programme in Healthcare Research and Implementation Science in Healthcare,
 2. have not lost their entitlement to take examinations in the Master's Degree Programme in Healthcare Research and Implementation Science in Healthcare.
- (2) For admission to the Master's thesis, certificates must be presented with proof of the following:
1. successful completion of modules set forth in Appendix 1, comprising a total of at least 60 credits,
- (3) Students are responsible for submitting documentation of the successful completion of the modules.

§ 14 Master's examination admission procedure

- (1) The application for admission to the examination must be made in writing, and addressed to the chair of the examinations board. The application must include the following documents:
1. evidence of fulfilment of the admission requirements in accordance with § 13,
 2. declarations from candidates, stating whether they have previously failed a Master's examination in the Healthcare Research and Implementation Science in Healthcare Master's programme, or whether they are currently undergoing an examination procedure in such a programme.
- (2) If candidates are unable to provide such evidence, the examinations board may allow other documents of proof to be accepted.
- (3) The application is the basis for the examinations board's decision as to

whether the candidate may be admitted to the examination. Rejections must be substantiated and notified in writing along with instructions for appeal.

- (4) The application for admission to the examination may only be denied if:
1. conditions are not fulfilled in accordance with § 13, or
 2. documents set forth in section 1 are not complete, and have not been completed upon request, or
 3. candidates have failed their final attempt at the Master's examination in Healthcare Research and Implementation Science in Healthcare or have lost the entitlement to take the final examinations, or
 4. the candidate is currently undergoing examination procedures in such a degree programme.

§ 15 Scope and nature of the Master's examination

- (1) The Master's examination consists of:
1. successful completion of the examinations for the modules set forth in Appendix 1,
 2. the Master's thesis.
- (2) The components of the Master's examination must be taken in the following order:
- examinations completed during the course of study (in accordance with § 13, paragraph 2)
 - Master's thesis.
- (3) The examinations referred to in paragraph 1, item 1 are taken as an integrated part of the respective lectures or courses. They may be in written or oral form. The lecturer responsible for a lecture or course determines the nature of the integrated examinations and provides this information no later than the beginning of the lecture or course.
- (4) In exceptional and justifiable cases, the examinations board may allow the order in which components are completed (as set forth in paragraph 2) to be altered. Once this permission is granted, the deadlines of the individual examinations will be determined. If these deadlines are not met, the examinations will be graded as "failed" (5.0), unless the candidate is not at fault for the deadline being exceeded.

§ 16 Master's thesis

- (1) The purpose of the Master's thesis is for candidates to prove that they are able to work independently, within a given period of time and using academic methods, to address a problem from the field of Healthcare Research and

Implementation Science in Healthcare.

- (2) In accordance with § 6, paragraph 1, sentence 1, the Master's thesis may be assigned and supervised by any authorised examiner.
- (3) The candidate must begin work on the Master's thesis no later than four weeks after successful completion of the last examination taken during the course of study, or must have by that time submitted an application for the assignment of a topic to the chairperson of the examinations board. If the deadline is not met, the Master's thesis will be graded as "failed" (5.0), unless the candidate is not at fault for exceeding the deadline.
- (4) The topic of the Master's thesis will be determined by the thesis supervisor, in consultation with the candidate. If an application for assignment of a topic is submitted, the chairperson of the examinations board will ensure that the candidate receives a topic for his or her Master's thesis in a timely fashion. The candidate is permitted to propose topics; however, this does not constitute entitlement to a particular topic. The thesis topic will be assigned by the chairperson of the examinations board; the date of assignment must be recorded.
- (5) The deadline for submission of the thesis is six months following assignment of the topic. In exceptional cases, the examinations board may extend this deadline by up to six weeks for candidates studying full-time, and by up to twelve weeks for those studying part-time. If the deadline is not met, the Master's thesis will be graded as "failed" (5.0), unless the candidate is not at fault for the deadline being exceeded. The topic may only be returned once, and only within the first two weeks of the completion period.
- (6) The topic, task and scope of the Master's thesis must be limited in such a way that the candidate is able to complete the thesis within the given time frame.
- (7) The Master's thesis may be written in German or English. Upon approval from the examinations board, the thesis may also be written in other languages.
- (8) The Master's thesis may also be written as group project by a maximum of three students. Each student's individual contribution to the thesis must be clearly identifiable and assessable; it must represent a substantial portion of the thesis and fulfil the requirements set forth in paragraph 1.
- (9) A paper (category: Original article) which has been prepared in accordance with the requirements of a relevant peer-reviewed journal may also be recognised as Master's thesis. An accompanying text comprising five to ten pages must be submitted along with the paper.

§ 17 Submission and assessment of Master's thesis

- (1) Three hard copies and one digital version of the Master's thesis must be submitted to the examinations board before the established deadline; the submission date must be recorded. The thesis must contain a summary.
- (2) When submitting a Master's thesis, candidates must certify in writing that they are the authors of their work and have used no sources or aids other than those indicated.
- (3) The Master's thesis is assessed by two examiners, one of whom must be a professor. The thesis supervisor should be the first examiner. The second examiner is designated by the examinations board. The candidate is permitted to make a proposal; however, this does not constitute legal entitlement to be examined by a particular examiner. The assessment period should not exceed six weeks.
- (4) The grade is calculated as the average of the two assessments; § 12 applies accordingly. If the two assessments differ by more than one grade, the examinations board will determine the grade for the Master's examination after consulting both examiners. In such cases, a third examiner may be consulted.

§ 18 Passing the examination and overall grade

- (1) The Master's examination is passed when all examination components according to § 15, paragraph 1 have been graded as "sufficient" (4.0) or higher.
- (2) When calculating the subject grade, and in accordance with § 12, section 3, the module grades will be weighted according to the number of credits earned. In accordance with § 12, section 3, the numerical values of the module grades, before rounding, will be used for this calculation.

§ 19 Retaking an examination and deadlines

- (1) If examinations are not passed, or are not considered to have been passed, they may be retaken once. This includes failed examinations taken at other universities. A second re-examination is permitted only under exceptional circumstances and only for a maximum of two examinations completed during the course of study. A second re-examination is not permitted for the Master's thesis. Admission to a second re-examination will be granted by the chairperson of the examinations board, upon request by the candidate.
- (2) Retaking an examination that has been graded as passed is not permitted.
- (3) Failed examinations must be retaken no later than during the following semester. If candidates fail to meet this deadline, they will lose entitlement to

take this examination, unless they are not at fault for the deadline being exceeded.

- (4) If a compulsory module examination is failed on the final attempt, the candidate will be excluded from the academic programme. Failure of compulsory elective modules and elective modules may be offset by the successful completion of a different module.

§ 20 Master's diploma and certificate

- (1) Once the Master's examination is passed, a diploma will be issued within four weeks. This will list all individual modules with their respective grades (graded in accordance with § 12, paragraph 3, and numerical value) and credits, as well as the overall grade of the Master's examinations. The diploma will be dated with the date of the last examination. It must be signed by the dean of the faculty and the chairperson of the examinations board.
- (2) A "Diploma Supplement" in German and English is also provided, containing additional information about the course content and period of study. The content complies with the "European Diploma Supplement Model".
- (3) A bilingual Master's certificate in German and English is issued with the diploma, bearing the same date as the diploma. It certifies the conferment of the academic degree "Master of Science". The Master's certificate is signed by the dean of the faculty and the chairperson of the examinations board. It bears the faculty seal.
- (4) If the Master's examination is failed on the final attempt or is considered not to have been passed, the chairperson will issue a written notification, providing information on the procedure for appeal. A certificate will be issued upon request, and upon presentation of documentation of proof, listing passed examinations and their grades, missing examinations required for obtaining the Master's degree, and a statement that, on the final attempt, the Master's examination has not been passed.

Section III: Final provisions

§ 21 Invalidity of examinations

- (1) If a candidate has cheated on an examination component and this is not discovered until after the diploma has been issued, the examinations board maintains the right to alter the grade awarded for all examination components concerned, and declare the examination partially or completely failed.
- (2) If the requirements for admission to the examination were not fulfilled, but without any intent on the candidate's part to cheat, and this is not discovered

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until after the diploma has been issued, the passed examination will be considered as compensation for this shortcoming. If the candidate intentionally gained admission to the examination through deceit, the examinations board will make a decision on the matter.

- (3) Before a decision is made, the candidate will be given the opportunity to provide an explanation.
- (4) Fraudulent examination diplomas will be confiscated and, if necessary, a new diploma will be issued. If the examination has been graded as "failed" due to cheating or deceit, the Master's certificate will be confiscated along with the fraudulent examination diploma. The statute of limitations for rendering a decision such as described in paragraph 1 and paragraph 2, sentence 2, is five years from the date on the examination diploma.

§ 22 Access to examination documents

After the examination procedure has been completed, the candidate has the right to request access to examination documents within a reasonable period of time. Requests must be made in writing and within a period of up to one year after the examination process. The chairperson of the examinations board will decide when and where such access will be given.

§ 23 Coming into force

These examination rules and regulations come into force on 1 October 2015.

Heidelberg, 17 June 2015

Professor Dr. rer. nat. Bernhard Eitel President

Appendix 1: Degree course plan, full-time, Appendix 2: Degree course plan, part-time,

Appendix 3: Modules, Lectures and Courses for the Master's Degree Programme in Healthcare Research and Implementation Science in Healthcare

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Appendix 1:

		Thematic Area I: Scientific Principles and Methods		Thematic Area II: Healthcare Systems	Thematic Area III: Healthcare Research and Implementation Science	Thematic Area IV: Applications	
Semester 1 30 CPS	Key qualifications: Patient Orientation, Consultation, Moderation / Presentation, English, Interdisciplinary Collaboration	4 CP	Scientific Writing 1	Module 1: Scientific Work 10 CP	Module 3: Healthcare Systems 5 CP	Module 6: Basic Principles of Healthcare Research 6 CP	Module 10: Areas of Application in Healthcare Research and Implementation Science, along with Lecture Series 2 CP
					Transfer Projects 3 CP		
Semester 2 30 CP		2 CP	Scientific Writing 2a	Module 2a: Scientific Methodology 5 CP	Module 4: Management / Business Administration / Law 6 CP	Module 7: Implementation Science 7 CP	Module 11 a: Compulsory Elective Internship 1 CP
Semester 3 30 CPS	4 CP	Scientific Writing 2b	Module 2b: Scientific Methodology 5 CP	Module 5: Health Economics 5 CP	Module 8b: Quality Improvement and Evaluation 2 CP	Module 11b: Compulsory Elective Internship 2 6 CP	
					Module 8a: Quality Improvement and Evaluation 4 CP		
					Module 9: Organisational Development and Change 8 CP		

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Semester 4 30 CPS	MASTER'S THESIS and Colloquium (30 CP)
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Appendix 2

			Thematic Area I: Scientific Principles and Methods	Thematic Area II: Healthcare Systems	Thematic Area III: Healthcare Research and Implementation Science	Thematic Area IV: Applications	
Academic Year	1st Semester, Winter Semester	Key qualifications: Patient Orientation, Moderation / Presentation, English	Consultation, <small>Letztendlich: in einem</small>	Module 1: Scientific Work 10 CP		Module 6: Basic Principles of Healthcare Research 6 CP	Module 10: Areas of Application in Healthcare Research and Implementation Science, along with <small>Lecture Series 9 CP</small>
	2nd Semester, Summer Semester				Module 4: Management / Business Administration / Law 6 CP	Module 7: Implementation Science 7 CP	
Academic Year 2	3rd semester, Winter Semester		4 CP		Module 3: Healthcare Systems 5 CP	Module 9: Organisational Development and Change 8 CP	
	Transfer Project 3 CP						
	4th Semester, Summer Semester			Module 2a: Scientific Methodology 5 CP			Module 11 a: Compulsory Elective Internship 1 CP
Ac	5th Semester,	4	Module 2b: Scientific	Module 5:			

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2 4 C P				Methodology 5 CP	Health Economics 5 CP		
	6th Semester, Summer Semester					Module 8a: Quality Improvement and Evaluation 4 CP	Compulsory Elective Internship 2 6 CP
A c a d e m i c y e a	7th Semester, Winter Semester					Module 8b: Evaluation and Quality Assurance 2CP	
	8th Semester, Summer Semester			MASTER'S THESIS and Colloquium (30 CP)			

Appendix 3;

Modules, Lectures and Courses of the Master's Degree Programme in Healthcare Research and Implementation Science in Healthcare

Module (abbrev.)	Scientific Work (ScW / Wiss)
Type of Module	Compulsory
Scope; Contact time / Workload	80h/300h
Lectures and courses	Understanding and Shaping Research Processes The Scientific System Scientific Writing I
ECTS-credit points	10
Semester	Semester 1

Module (abbrev.)	Scientific Methodology (Method)
Type of Module	Compulsory
Scope; Contact time / Workload	100h / 300h
Lectures and courses	Quantitative Methods Qualitative Methods Scientific Writing 2
ECTS-credit points	10
Semester	Semester 2+3

Module (abbrev.)	Healthcare System (HS / GeSys)
Type of Module	Compulsory
Scope; Contact time / Workload	50h / 150h
Lectures and courses	The German Healthcare System An International Comparison Ethics
ECTS-credit points	5
Semester	Semester 1

Module (abbrev.)	Management / Business Administration / Law (Manag)
Type of Module	Compulsory
Scope; Contact time / Workload	60h / 180h
Lectures and courses	Management Business Administration Law
ECTS-credit points	6
Semester	Semester 2

Module (abbrev.)	Health Economics (HE / GesÖko)
Type of Module	Compulsory
Scope; Contact time / Workload	50h / 150h
Lectures and courses	Basic Principles and Theories of the Application of Health Economics in Healthcare Research
ECTS-credit points	5
Semester	Semester 3

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Module (abbrev.)	Basic Principles of Healthcare Research (HR / VF)
Type of Module	Compulsory
Scope; Contact time / Workload	60h / 180h
Lectures and courses	Introduction to Healthcare Research Healthcare Structures and Processes Patient Orientation Epidemiology and Public Health
ECTS-credit points	6
Semester	Semester 1

Module (abbrev.)	Implementation Science (IS / IW)
Type of Module	Compulsory
Scope; Contact time / Workload	70h / 210h
Lectures and courses	Basic Principles of Implementation Intervention and Implementation Evidence-Basing and Knowledge Transfer
ECTS-credit points	7
Semester	Semester 2

Module (abbrev.)	Quality Improvement and Evaluation (Eval)
Type of Module	Compulsory
Scope; Contact time / Workload	60h / 180h
Lectures and courses	Quality Improvement and Evaluation
ECTS-credit points	6
Semester	Semester 2+3

Module (abbrev.)	Organisational Development and Change (Orga)
Type of Module	Compulsory
Scope; Contact time / Workload	80h / 240h
Lectures and courses	Organisational Development Organisational Consulting Workplace and Organisational Psychology
ECTS-credit points	8
Semester	Semester 3

Module (abbrev.)	Applied Healthcare Research and lecture series (App / Anwend)
Type of Module	Compulsory
Scope; Contact time / Workload	20h / 60h
Lectures and courses	Applied Healthcare Research
ECTS-credit points	2
Semester	Semester 1

Module (abbrev.)	Compulsory Elective Internship (Internship / Praktikum)
Type of Module	Compulsory

Scope; Contact time / Workload	30h / 360h
Lectures and courses	Internship Seminar
ECTS-credit points	12 (2x6)
Semester	Semester 2+3

Module (abbrev.)	Master's Thesis and Colloquium (MA)
Type of Module	Compulsory
Scope; Contact time / Workload	15h / 900h
Lectures and courses	Master's Thesis; Master's Colloquium
ECTS-credit points	30
Semester	Semester 4

Module (abbrev.)	Key qualifications (KQ / SQ)
Type of Module	Compulsory
Scope; Contact time / Workload	60h / 300h
Lectures and courses	Introduction to Key Qualifications; Key Qualifications Seminar
ECTS-credit points	10
Semester	Semester 1-3

Module (abbrev.)	Transfer Project (Transfer)
Type of Module	Compulsory
Scope; Contact time / Workload	20h / 90h
Lectures and courses	Project Work Seminar
ECTS-credit points	3
Semester	Semester 1