

Excerpt/Unofficial reading version of the Promotionsordnung (Doctoral Regulations). This English translation is for informational purposes only. The German version is the sole legally valid version.

PhD, MD/PhD and DMD/PhD Doctoral Regulations at University Medicine Greifswald

Excerpt from the Statutes of the University of Greifswald on the new regulations for doctorates at the University of Greifswald's Faculty of Medicine (University Medicine)

From 24 August 2020

Amendments:

- §§ 3 paragraph 2, 4 paragraph 1 sentence 1 and 4, 5 paragraph 2 sentence 4 through Article 1 of the 1st amendment of the statutes of November 19, 2021 (announced to the university public on November 23, 2021)

Table of Contents

I. General Information

- § 1 Doctorate
- § 2 Doctoral Board
- § 3 Thesis Committee

II. Qualification Phase

- § 4 Admission
- § 5 Scope and Content of the Qualification Phase
- § 6 Thesis

III. Examination Phase

- § 7 Initiating the Doctoral Procedure
- § 8 Withdrawing from the Doctoral Procedure
- § 9 Evaluation of the Thesis
- § 10 Doctoral Colloquium
- § 11 Marking
- § 12 Publishing the Thesis
- § 13 Completing the Doctorate
- § 14 Declaring the Examination Invalid and Revoking the Doctoral Degree
- § 15 Inspection of Doctoral Files
- § 16 Joint Doctorate with a Foreign University or Scientific Higher Education Institution (Binational Doctorate)

Appendixes

- Appendix I List of Subjects
- Appendix II Structured curriculum for PhD, MD/PhD, DMD/PhD-Programme
- Appendix III Qualitative and quantitative specifications for mandatory publications

I. General Information

§ 1 Doctorate

(1) University Medicine Greifswald awards the academic degree of Doctor of Philosophy (PhD), Medical Doctor/Doctor of Philosophy (MD/PhD) and Doctor of Medical Dentistry/Doctor of Philosophy (DMD/PhD) on the basis of a doctoral procedure in the subjects listed in Appendix 1 and in accordance with the provisions of these Regulations.

(2) The doctorate demonstrates a particular scientific qualification in the subjects listed in Appendix 1 that goes beyond the university degree as shown in an independent research project.

(3) The doctoral work consists of

- a) implementing a research project in a subject listed in Appendix 1
- b) the successful participation in courses, further education and/or scientific conferences according to § 5(4),
- c) a cumulative written thesis according to § 6 and
- d) an oral examination (doctoral colloquium) according to § 10.

(4) With the exception of the doctoral colloquium and the awarding of the certificate, the doctoral procedure is not open to the public. The members of the Doctoral Board and the thesis committee as well as the reviewers are subject to official secrecy. If they are not employed in public service, the above-mentioned persons must be sworn to secrecy by the chairperson of the doctoral committee.

§ 2 Doctoral Board

(1) To organise the doctoral procedure and complete the tasks assigned by these Doctoral Regulations, the Faculty Council of University Medicine Greifswald shall form its own Doctoral Board or assign the tasks to one of the two existing Doctoral Boards. The Doctoral Board shall appoint the thesis committee (§ 3) and review whether the requirements for admission to the doctoral programme (§ 4) as well as for opening the doctoral procedure (§ 7) are met. The Dean of the Faculty shall ensure that the Doctoral Board fulfils its tasks properly and is able to do so. The Dean shall give the necessary instructions for this purpose.

(2) The Doctoral Board consists of at least five professors or university lecturers with a habilitation who are employed by University Medicine. University lecturers from other faculties may be involved in an advisory capacity. The chair of the Doctoral Board is elected by the Faculty Council. The members are elected by the Faculty Council based on the chair's nomination.

(3) The members' term of office is two years. Re-election is possible. The Doctoral Board members continue to exercise their office after the term of office has finished until successors have been appointed and these successors have taken office.

(4) The Doctoral Board has met a quorum if all members have been invited in writing under observance of the invitation deadline of three days and if several members are present.

- (5) The Doctoral Board makes its decisions by simple majority. In the event of a tie, the chair casts the deciding vote.
- (6) The Doctoral Board may generally delegate certain decisions to the chair.
- (7) The meetings of the Doctoral Board are not open to the public. Minutes of the Doctoral Board's deliberations and decisions are prepared and filed in the Doctoral Office.
- (8) Orders, setting of deadlines and other notifications of the Doctoral Board which do not only concern individual persons shall be announced in electronic form with legally binding effect in compliance with data protection laws. Additional announcements made elsewhere are permitted, but are not legally binding.
- (9) The Doctoral Board may issue implementing provisions for these Doctoral Regulations.

§ 3 Thesis Committee

- (1) For each doctoral procedure, the Doctoral Board appoints a thesis committee. The committee consists of the supervisor(s) and at least two other members, one of whom should be from outside the faculty.
- (2) All members of the thesis committee must work full-time at a scientific higher education institution (Universität, Hochschule) or a non-university research institution and must either be professors, außerplanmäßige (extrabudgetary) professors, retired professors, honorary professors, junior professors or Privatdozents or have an academic qualification equivalent to a habilitation. With the approval of the Faculty Council, the head of a third-party funded, scientifically reviewed junior research group who has not completed a habilitation may also be appointed in individual cases. If the supervisory relationship is terminated prematurely for reasons for which the doctoral candidate is not responsible, the Dean shall endeavour to find another supervisor at the doctoral candidate's request; there is no legal claim to this.
- (3) The thesis committee monitors the progress of the doctorate and is responsible for conducting and evaluating the doctoral colloquium. The thesis committee keeps minutes of each meeting. A member connected by remote communication shall also be deemed to be present at meetings.

II. Qualification Phase

§ 4 Admission

- (1) Anyone who has completed a university degree programme in a natural or life science subject other than human medicine or dentistry (exceptions are possible after evaluation by the Doctoral Board) and has received at least the mark "good" (better than 2.5) on the final examination may be admitted to the PhD programme; a master's degree can also have been obtained at a university of applied sciences (Fachhochschule). Exceptions to the requirement of this grade require the approval of the faculty of the University of Greifswald responsible for the subject. Exceptions to the requirement of a degree in a natural or life science subject require that the doctorate promises to sufficiently advance knowledge in the field of medicine. In the case of

university degrees with a marking system other than that generally used in Germany, the mark must be at least comparable to the mark "good". If the applicant completed a tiered programme (bachelor's/master's), a master's degree or equivalent of at least 300 credit points (LP) is required.

(2) Anyone who has passed the medical state examination (Staatsexamen) or the dental state examination (Staatsexamen) with an overall mark of at least "good" may be admitted to the doctoral procedure for MD/PhD or DMD/PhD.

(3) The Doctoral Board decides on the recognition of university degrees that applicants have obtained at a foreign university. This decision is based, among other things, on a list maintained by the Central Office for Foreign Education at the Secretariat of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder of the Federal Republic of Germany. Recognition must be clarified prior to the start of the doctoral programme as part of the admission process.

(4) Admission must be requested from the doctoral committee before the start of the doctoral thesis (qualification phase). The request for admission must include:

- a) information on the applicant's academic career,
- b) all certificates of passed university degrees and state examinations,
- c) a declaration by the applicant stating whether and, if so, with what success he/she has or had applied for a doctorate at a university or faculty other than University Medicine Greifswald,
- d) an agreement between the applicant and the supervisor(s), which also specifies the academic title sought,
- e) a work schedule supported and co-signed by the university lecturer responsible,
- f) a list, coordinated with the responsible university lecturer, of the university lectures, continuing education courses and/or scientific conferences to be attended during the qualification phase.

(5) The work schedule must relate to a field of study found in Appendix 1.

(6) Notwithstanding the legal requirements, the admission requirements can only be waived for important reasons, which the applicant must present in writing, on the basis of a request to be submitted to the Dean. The exemption can be made dependent on the fulfilment of conditions. The Dean decides on the exemption from admission requirements on the recommendation of the Doctoral Board.

(7) The Dean decides on admission to the doctoral procedure on the recommendation of the Doctoral Board. Admission shall be denied if the requirements according to subsections 1 to 6 are not fulfilled, or if a doctoral procedure was unsuccessfully completed less than one year ago.

§ 5

Scope and Content of the Qualification Phase

(1) The qualification phase usually lasts three years and begins when admission is granted by the Doctoral Board according to § 4.

(2) The Doctoral Board keeps a list of the recognised research-based courses and the assigned ECTS credits (Appendix 2). According to § 7, the successful attendance of the courses must be proven in an appropriate manner (e.g. proof of successfully completed final examination, proof of regular attendance of a course) when submitting the thesis. Lectures already taken during previous degree courses may not be taken

again. A course on "Good Scientific Practice" is mandatory. Membership in the Graduate Academy Greifswald is recommended.

(3) The doctoral candidate and the supervising university lecturers shall conclude a written doctoral agreement in accordance with the guidelines of University Medicine Greifswald. The approval of the Faculty Council is required for each individual case if the head of a third-party funded, scientifically reviewed junior research group who has not completed a habilitation is to supervise a doctoral thesis. If the supervisory relationship is terminated prematurely for reasons for which the doctoral candidate is not responsible, the Dean shall endeavour to find another supervisor at the doctoral candidate's request; there is no legal claim to a new supervisor.

(4) During the qualification phase, the scientific research is carried out upon which the written thesis is based. In addition, doctoral candidates should acquire a sound understanding of scientific problems, in-depth subject knowledge, and the ability to work in an interdisciplinary manner. To achieve these goals, during the qualification phase the doctoral candidates must

a) as a rule, carry out research activities at University Medicine Greifswald or an institution cooperating with it and

b) actively participate in research-based lectures, continuing education courses and/or scientific conferences offered by University Medicine Greifswald or by an institution cooperating with it, whereby a total of at least 24 ECTS points must be achieved within the qualification phase.

(5) The principles of the German Research Foundation for ensuring good scientific practice shall be observed. Parts of the doctoral thesis may be carried out at an external research institution after prior approval by the Doctoral Board. The responsible university lecturer at University Medicine Greifswald ensures that the partner institution appoints its own university lecturer who will supervise the doctoral candidate on site and cooperate closely with University Medicine Greifswald regarding the doctoral procedure.

§ 6 Thesis

(1) The thesis must relate to a field of study found in Appendix 1 and make a significant contribution to advancing scientific knowledge. In addition, it should demonstrate the doctoral candidate's ability to carry out independent scientific work and to present the results appropriately. The thesis must be submitted in writing in German or English.

(2) The written thesis is cumulative (publication doctorate). Typically, at least three original scientific publications with related content that have been accepted for publication in renowned peer-reviewed journals should be compiled. Publications in journals without scientifically adequate quality assurance processes are not permissible for the written thesis. Details on the qualitative and quantitative publications and their proof are regulated in the implementation provisions (Appendix 3).

(3) In addition to the original publications, a summary must be submitted in German or English. The scope and form of the summary are regulated in the implementation provisions (Appendix 3).

(4) In all publications on which the thesis is based, the reference to University Medicine Greifswald must be clearly recognisable. The Doctoral Board shall decide on exceptions upon request.

III. Examination Phase

§ 7

Initiating the Doctoral Procedure

(1) The request for initiating the examination procedure shall be submitted to the Doctoral Board. It is only admissible if the applicant has not concurrently submitted a request for initiating another doctoral procedure in the same degree course (e.g. Dr. med., Dr. med. dent. or Dr. rer. med.). The request can only be submitted after prior admission according to § 4, i.e. usually within a time interval of approximately 3 years after admission to the doctoral procedure. The request must include:

- a) three offprints or copies of the original works upon which the thesis is based, as well as three summaries according to § 6(3),
- b) if applicable, a detailed statement signed by the doctoral candidate and a supervisor on the doctoral candidate's contribution to publications in accordance with the implementation provisions,
- c) a written statement by the doctoral candidate that he/she has correctly indicated all sources and aids used in the thesis,
- d) evidence of successful attendance of research-based lectures, continuing education courses and/or conferences amounting to at least 24 ECTS credits in accordance with § 5(2) and (4),
- e) an official certificate of good conduct, which must not be older than 3 months on the day of submission and
- f) an affidavit stating whether, when, where and with what success the applicant has already undergone a doctoral examination and whether the thesis has already been submitted in the current or another version to this or another faculty or department.

The declaration must be supplemented if the applicant has undergone a doctoral examination or applied for admission to such an examination after submitting the thesis. A thesis that has already been rejected in its present form or in another essentially identical form at this or another faculty or department cannot be used for the doctoral procedure.

(2) If the applicant is already entitled to use another doctoral title (Dr. med., Dr. med. dent. or Dr. rer. med.) which he/she has acquired in the same type of degree, the request must be accompanied by a declaration in which he/she undertakes to discard this title at the latest after completing the doctoral procedure for which he/she is applying to be initiated.

(3) The procedure shall be initiated when the request has been filed and the requirements under subsections 1 and 2 have been met. The decision on initiating the procedure will be communicated to the doctoral candidate in writing upon request.

§ 8

Withdrawing from the Doctoral Procedure

The doctoral candidate may withdraw from the doctoral procedure by written declaration to the Dean as long as no assessment recommending the thesis be rejected has been submitted or as long as no attempt at cheating in regard to the fulfilment of the admission requirements has been discovered; if the candidate withdraws in a permissible manner, the doctoral procedure is considered not to have begun.

§ 9

Evaluation of the Thesis

(1) After the doctoral procedure has been opened, the Doctoral Board shall request the first and second assessments. The first assessor is usually the supervisor (§ 3). The second assessor shall be a university lecturer of the status required in § 3(2) who belongs to a medical or other faculty of an academic university in the Federal Republic of Germany or abroad that is not affiliated with the University of Greifswald, or who is a habilitated representative of the practice (external assessment). The second assessor must not be a member of the thesis committee and must not be a co-author of one of the publications submitted for the doctorate. If the marks of the two assessments differ by more than 2.0 (§ 11), the Doctoral Board shall appoint another university lecturer who is not a member of the thesis committee as an assessor.

(2) The thesis assessments must be in writing and include a reasoned recommendation on acceptance, rejection, or return of the thesis for revision. The assessment should contain a justified proposal for the mark according to § 11. The assessments should be submitted to the Doctoral Board no later than six weeks after the request for assessment. If an assessment has not been received ten weeks after it was requested, the Doctoral Board can appoint another assessor.

(3) If both assessments evaluate the thesis as “insufficient”, the thesis is considered rejected and the procedure is ended. In this case, it is not possible to resume the procedure after revising the thesis. In all other cases, the procedure continues.

(4) If one of the two assessments marks the thesis as “insufficient”, while the second assessment recommends accepting the thesis, the Doctoral Board appoints another university lecturer who is not a member of the thesis committee as an assessor. If this assessment also evaluates the thesis as “insufficient”, the thesis is considered rejected and the procedure is ended. In this case, it is not possible to resume the procedure after revising the thesis. In all other cases, the procedure continues.

(5) If an assessment requires a revision of the thesis, the doctoral candidate must be informed of this in writing. The revised thesis must be submitted within one year and is once again sent to the assessor who required the revision for a renewed assessment. If this assessor marks the thesis as “insufficient”, the Doctoral Board appoints another university lecturer who is not a member of the thesis committee as an assessor. If this person also assesses the thesis as “insufficient”, the thesis is deemed to have been rejected and the doctoral examination is deemed to have been failed. In all other cases, the procedure continues.

(6) If the doctoral candidate rejects the proposed revision or if the revised thesis is not submitted within one year, the thesis is considered rejected and the doctoral procedure

is ended. After its rejection, the thesis with all assessments remains in the files of the Doctoral Board.

(7) After a prior hearing, within two weeks the doctoral candidate shall be notified in writing of the discontinuation of the doctoral procedure in accordance with § 9(3) to (6), by means of a decision of the Doctoral Board, stating the reasons. The notice shall contain instructions on how rights of legal appeal.

(8) If two assessments evaluate the thesis with at least "sufficient" (3.0), the oral examinations shall take place in accordance with § 10.

§ 10 Doctoral Colloquium

(1) The oral examinations (doctoral colloquium) consist of a public, scientific presentation and a public discussion. The doctoral colloquium is held before the thesis committee. In exceptional cases, the doctoral candidate and members of the thesis committee may be connected audiovisually by decision of the Doctoral Board.

(2) In the doctoral colloquium, the doctoral candidate reports on the results of his/her thesis in a scientific presentation. The duration of the presentation should not exceed 30 minutes.

(3) The presentation is followed by a scientific discussion with questions from the thesis committee and the audience. In the discussion, the doctoral candidate's ability to present the subject matter of his/her thesis and how it fits into the respective research area is examined. It should last at least 30 minutes and no more than 90 minutes.

(4) The doctoral colloquium shall be held in German or English, as chosen by the doctoral candidate. With the approval of the Doctoral Board and with the consent of all members of the thesis committee, another language is also permitted.

(5) The Doctoral Board determines the date and place of the doctoral colloquium on the proposal of the thesis committee. The doctoral candidate must be informed of the date at least two weeks in advance, and it should be no later than four months after receipt of the last assessment. The doctoral colloquium must be announced to the entire faculty with the name of the doctoral candidate, the title of the presentation, and the time and place.

(6) Following the doctoral colloquium, the thesis committee decides in a closed session on the mark for the doctoral colloquium using the marking scale from § 11. The doctoral colloquium is considered to have been passed if it has been evaluated with at least "sufficient" by at least three members of the thesis committee. The arithmetic mean of the marks assigned by the members of the thesis committee is used for marking. When calculating the mark, only the first decimal point is considered; all other decimal points are deleted without rounding.

(7) If the doctoral candidate does not appear for the doctoral colloquium and does not have a valid reason for the absence or if he/she withdraws from the colloquium after it has begun without a valid reason, the colloquium shall be deemed to have been failed. If good cause is claimed for the failure or withdrawal, the thesis committee and the Doctoral Board must be notified of this cause in writing without delay. If the doctoral candidate is ill, he/she may be required to submit a medical certificate. If the reasons are recognised as valid, a new date is set.

(8) If the doctoral colloquium was not passed, the Doctoral Board shall set a new date for the doctoral colloquium on the recommendation of the thesis committee. A second attempt can take place no earlier than three months and must take place no later than twelve months after the date of the failed examination.

(9) If the doctoral colloquium is not passed in the second attempt, the doctoral examination as a whole is failed. A second repetition of the oral examinations is not permitted.

§ 11 Marking

(1) The following marks are permitted for the thesis and the doctoral colloquium: excellent (0.0), very good (1.0), good (2.0), sufficient (3.0), insufficient (4.0).

(2) Raising or lowering a mark by the value minus 0.3 or plus 0.3 is permissible. The mark "excellent" cannot be raised, the mark "sufficient" cannot be lowered and the mark "insufficient" cannot be raised or lowered.

(3) The overall mark of the doctorate is the arithmetic mean of the thesis mark given by the first assessor, the thesis mark given by the second assessor and the mark from the doctoral colloquium. If three assessments are available, the two better marks will be used to calculate the overall mark. When calculating the arithmetic mean, only the first decimal point is considered; all other decimal points are deleted without rounding. The following scale applies for assigning a mark to the calculated mean:

0.0	- summa cum laude
0.1 - 1.5	- magna cum laude
1.6 - 2.5	- cum laude
2.6 - 3.0	- rite

§ 12 Publishing the Thesis

(1) After passing the doctoral colloquium, the doctoral candidate shall submit the approved manuscript of the thesis in unchanged and complete form to the files of the faculty and deliver the thesis to the University of Greifswald's University Library within six months after the date of the doctoral colloquium. If the doctoral candidate misses the deadline of six months, he/she loses all rights acquired through the examination. In justified cases, the Dean may reasonably extend the deadline.

(2) On the title page, the thesis is to be designated as a *Cumulative Inaugural Thesis for the attainment of the academic degree of Doctor of Philosophy (PhD) or Medical Doctor/Doctor of Philosophy (MD/PhD) or Doctor of Medical Dentistry/Doctor of Philosophy (DMD/PhD) at University Medicine Greifswald*. On the second sheet, the names of the Dean, the first assessor and the other assessors as well as the date of the doctoral colloquium must be indicated. It is not necessary to include the doctoral candidate's curriculum vitae.

(3) The obligation to deliver according to subsection 1 is fulfilled by electronic publication (in open access) on the publication server of the University of Greifswald's University Library and the delivery of four printed and bound copies that correspond to

the online edition according to the standards defined by the University Library (file formats, delivery route, composition). The doctoral candidate thereby grants the University Library the perpetual, worldwide, irrevocable right to save his/her thesis in all its parts and make it accessible. The original scientific publications accepted for publication and in print or already published in electronic journals are exempt from the publication obligation according to sentence 1 if the electronic original publications are referenced in the thesis copies intended for delivery to the University Library in a form suitable for traceability and access to the source document (usually with an abstract and a digital object identifier as well as a contact address for the corresponding author). Provided that no copyright agreements exist for original scientific publications on which the thesis is based (e.g. in the case of publication of the original articles in open access or obtaining a thesis-related second publication right from the publisher of the original publications) that would prohibit the publications from being included with the thesis, these original works may be attached to the thesis copies intended for delivery to the University Library. The doctoral candidate and the supervisor agree on referencing or attaching the original work, if necessary, before the candidate submits a cumulative thesis.

(4) If the doctoral candidate has fulfilled all requirements, he/she receives a written confirmation of the successful completion of the doctoral procedure which allows him/her to temporarily use the title of doctor - with a temporal limitation of a maximum of one year.

§ 13 Completing the Doctorate

(1) The doctoral degree is awarded when the Dean hands over or sends the doctoral certificate. Upon receipt of the certificate, the doctor receives the perpetual right to use the doctoral title. The doctoral degrees awarded according to § 1(1) may also be used in the form of the abbreviation "Dr." without a subject-related addition; simultaneous use of the abbreviations "PhD", "MD/PhD" or "DMD/PhD" together with "Dr." is not permitted.

(2) The doctoral certificate contains the title of the thesis and the overall mark. The date of the doctoral colloquium is used on the certificate as the date of graduation. The certificate is signed by the Dean and the Rector and bears the seal of the faculty and the embossed seal of the University.

§ 14 Declaring the Examination Invalid and Revoking the Doctoral Degree

(1) If it is found that the doctoral candidate has cheated with regard to the doctoral performance or the requirements for admission to the doctoral procedure, the doctoral work may be declared invalid, the doctoral degree may be revoked and the doctoral certificate may be confiscated.

(2) The doctoral degree may be withdrawn and the doctoral certificate confiscated if the doctoral candidate has been convicted of an intentional criminal offence in the preparation or commission of which the doctoral degree was abused.

(3) Decisions pursuant to subsections 1 and 2 require a majority of two-thirds of the university professors who are members of the Faculty Council of University Medicine Greifswald.

§ 15 Inspection of Doctoral Files

After completing the doctoral procedure, the doctoral candidate shall be granted access to the doctoral file and the assessments of the thesis upon request; the request must be submitted after the doctoral procedure is complete.

§ 16 Joint Doctorate with a Foreign University or Scientific Higher Education Institution (Binational Doctorate)

(1) University Medicine Greifswald may award the doctoral degree (PhD, MD/PhD or DMD/PhD) together with a university or scientific university abroad in a jointly conducted doctoral procedure.

(2) The applicant for a binational doctorate with a university abroad must fulfil both the acceptance requirements at the University of Greifswald and the acceptance requirements of the foreign partner institution.

(3) A joint doctoral procedure with a foreign partner institution requires that an individual cooperation agreement for implementing a binational doctorate is concluded with the foreign partner institution. This cooperation agreement is made for the purpose of a joint procedure between the University of Greifswald and the foreign partner institution. This agreement requires the prior approval of the Dean of University Medicine Greifswald and the Faculty Council. It regulates a doctoral procedure jointly managed by the competent bodies of the foreign partner institution and the Faculty of Medicine (University Medicine), in particular a joint examination, evaluation and marking of the examination results by a joint doctoral committee.

(4) The agreement may, with the consent of the Senate, provide for exceptions to the following provisions of these Doctoral Regulations to the extent necessary to accommodate regulations or traditions of the partner institution:

- composition and responsibility of the doctoral committee,
- preparation of assessments,
- inspection of assessments,
- type and scope of the work required,
- process for calculating the overall mark and other assessment procedures,
- language of the certificate.

In justified cases, further exceptions may be provided for.

(5) The thesis is supervised by a professor of University Medicine Greifswald according to § 2(2) and by a professor of the foreign partner institution.

(6) The agreement regulates whether the thesis is submitted to University Medicine Greifswald or to the foreign partner institution. The language of the thesis, the written summary and the defence are also to be specified in the cooperation agreement.

(7) The obligation to publish the thesis and the rights to it are governed by the regulations of both partner institutions. The partner universities shall regulate the

details in the cooperation agreement to the extent necessary and in particular if the regulations of the partner institutions regarding the publication of the thesis cannot be reconciled with each other.

(8) If the applicant has fulfilled the formal requirements demanded by the legal provisions of both partner institutions, a joint doctoral certificate shall be issued. It bears the signatures and seals required by the regulations of the partner institutions involved. It must indicate that the doctoral degree was awarded under joint supervision. If the legal provisions of the foreign partner institution do not permit the issuance of a joint certificate, the partner institutions involved shall each issue a doctoral certificate. It must be evident from both documents that the simultaneous use of the doctoral degrees alongside each other is excluded and that each document is only valid in conjunction with the other.

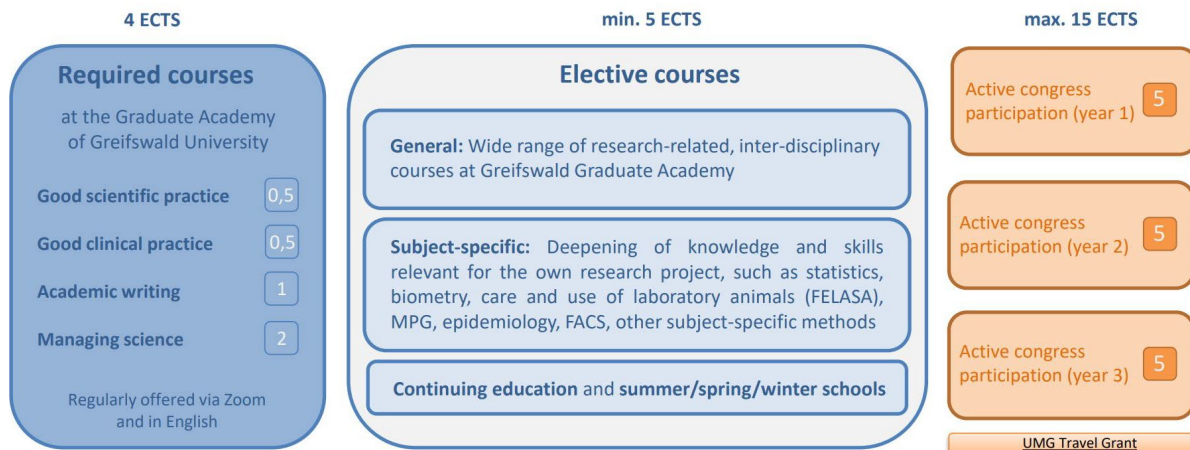
Appendix 1 to the PhD, MD/PhD, DMD/PhD Doctoral Regulations: Subject List

University Medicine Greifswald awards the academic degree of Doctor of Philosophy (PhD, for non-physicians) or Medical Doctor/Doctor of Philosophy (MD/PhD, for physicians) and Doctor of Medical Dentistry/Doctor of Philosophy (DMD/PhD, for dentists) on the basis of a doctoral procedure in subjects which are represented at UMG by a regular professorship. This also applies for the subjects of co-opted professors of Greifswald University.

Appendix 2 to the PhD, MD/PhD, DMD/PhD Doctoral Regulations: Structured curriculum for PhD, MD/PhD or DMD/PhD-Programme

Note: The structured curriculum described below is mandatory for all admissions from April 1, 2023. Doctoral candidates admitted before this date complete an individual curriculum confirmed by the doctoral board.

The accompanying curriculum in the PhD, MD/PhD, DMD/PhD-programme is divided into three areas: a compulsory curriculum (4 ECTS), an elective curriculum with inter-disciplinary and subject-specific components (min. 5 ECTS), as well as the possibility of crediting active congress participation (max. 15 ECTS). A total of at least 24 ECTS must be achieved (§ 5 Para. 4).



Required courses (4 ECTS)

The compulsory curriculum is completed at the Graduate Academy of the University of Greifswald. All required courses are offered at least once a year in English and via Zoom. Please refer to the website of the Graduate Academy for current dates.

Good Scientific Practice / 8 hours / 0.5 ECTS

Good Clinical Practice and Medical Ethics / 8 hours / 0.5 ECTS

Academic Writing / 1.5 - 2 days / 1 ECTS

Lecture series "Managing Science" / 8 of 10 dates (60-90 minutes each) / 2 ECTS

Elective courses (min. 5 ECTS)

In the elective area, all research-related courses of the Graduate Academy Greifswald can be credited, with the exception of courses from other disciplines and courses in didactics. Depending on what is offered, participation in the following courses is recommended:

- Entrepreneurship, spin-offs
- Research Data Management
- Gender Equality, Gender Awareness
- Getting Published
- Improved Reading
- Conflict Management
- Patent Management
- Presentation techniques and training
- Project and Time Management
- Statistics
- Science communication

On the other hand, subject-specific knowledge and skills relevant to the student's own research project or doctoral subject are to be acquired or deepened within the framework of the elective curriculum. Continuing education courses (4 ECTS with corresponding scope and content; decision by the doctoral board) as well as courses listed below at University Medicine Greifswald and Greifswald University, or courses comparable in scope and content at other university locations, can be credited. For courses at external locations, the form "Antrag auf Anrechnung externer Lehrveranstaltungen" (Application for credit for external courses) must be attached.

Active congress participation (max. 15 ECTS)

Attendance of congresses with an own poster presentation or talk can be credited; the confirmation of the active contribution by the organiser and the abstract are to be handed in as proof. A maximum of one congress participation per year can be credited (5 ECTS each), and a total of max. 3 congresses.

University Medicine Greifswald offers a travel grant to young scientists for active participation in congresses (up to € 500 for congresses in Germany and up to € 1,000 for congresses abroad). For more information, please refer to the faculty's website on the promotion of young researchers (Nachwuchsförderung).

List of courses

at University Medicine Greifswald and Greifswald University that can be credited within the framework of the elective curriculum (specific to the doctoral subject)

Important note: The following list names courses that can generally be credited; the actual courses offered vary depending on the semester. Please refer to our website for information on current course offerings:

<https://www.medizin.uni-greifswald.de/en/research-and-teaching/wissenschaftliche-graduierung/doctorate/phd-mdphd-and-dmdphd/>

If you have any questions about courses and continuing education, please contact the PhD, MD/PhD, DMD/PhD doctoral board.

Type of lecture	Lecture title	ECTS
PhD-Curriculum of the Institute of Community Medicine		
Please see our website for the current list of courses offered for PhD students by the Institute of Community Medicine (course language: usually German).		
Training at the Coordination Centre for Clinical Trials (KKS)		
Participation is free of charge for doctoral students (course language: German). For current dates and registration information, please see the KKS website.		
S	Grundlagenkurs für klinische Prüfungen mit Arzneimitteln („AMG-Schulung“)	0,5
S	Ergänzungskurs für klinische Studien auf Grundlage des Medizinproduktrecht-Durchführungsgesetzes („MPG-Schulung“)	0,5
Courses at the Institute of Bioinformatics		
S	Medizinische Bioinformatik	4
S	Flugmedizin	4

S	Applied Biostatistics with R	4
V + Üb	Biometrie für Humanbiolog*innen	6
S	Bioinformatik für Humanbiolog*innen	3
V + Üb	Biometrie für Biomathematiker*innen	6
From the master's programmes in Dentistry		
	Modul 1: Grundlagen wissenschaftlich evidenzbasierter Zahnmedizin, Ethik, Biostatistik & wissenschaftliches Schreiben (3 x 2 LP)	6
	Modul 2: Wachstum und Entwicklung, Kinderpsychologie, Verhaltensmanagement und Pädiatrie & orale Erkrankungen inkl. Radiologie (3 x 2 LP)	6
	Modul 3: Orale Epidemiologie, insb. Kariesepidemiologie, Kariesprävention und –therapie (4 x 2 LP)	8
	Modul 4: Restaurative Kinderzahnheilkunde, Endodontologie, pharmakologische Therapie und Traumatologie (3 x 2 LP)	6
	Modul 5: Kinder mit chronischen Krankheiten, stationäre Zahnmedizin, orale Pathologie, MKG, Parodontologie, Praxis- & Qualitätsmanagement, Stress, (3 x 2 LP)	6
	Modul 6: Praxis- & Qualitätsmanagement, Wissenschaftliches Arbeiten IV & Fallpräsentation, II (2 x 2 LP)	4
From the master's programme in Health Care Management		
V	Vorlesung Gesundheitsmanagement I	5
V	Vorlesung Gesundheitsmanagement II	5
V	Vorlesung Gesundheitsmanagement III	5
V	Vorlesung Gesundheitsmanagement IV	5
V	Internationales Gesundheitsmanagement	5
Üb	Internationales Gesundheitsmanagement	5
HS	Gesundheitsmanagement	5
V	Gesundheitsökonomische Evaluation	3
From the bachelor's programme in Human Biology		
Üb	Immunologische Übungen	6
From the master's programme in Human Biology		
B2 - Basismodul Bioethik und Versuchstierkunde		
V + Üb	Versuchstierkunde	4
V	Bioethik	1
V1A - Vertiefungsmodul Biochemie und Molekulare Zellbiologie A		
V	Molekular- und Zellbiologie 2	2
V	Methoden der Molekular- und Zellbiologie	1
S	Signaltransduktion	3
S	Zelluläre Bildgebung	3
Üb	Molekular- und Zellbiologie	3
Üb	Immunozytologie	3
Module Genetik		
S	Funktionelle Genomforschung und Molekulare Infektionsgenetik	5
Üb	Molekulare Infektionsbiologie 1	3
Üb	Molekulare Infektionsbiologie 2	3
Üb	Funktionelle Genomanalyse 1 – Genomics/Transkriptomics	3
Üb	Funktionelle Genomanalyse 2 – Genomics/Transkriptomics	3

V	Anwendung von Techniken der Funktionellen Genomforschung – Von der Diagnose bis zur Therapie	2
V	Molekulare Grundlagen der Pathogenität von Mikroorganismen	2
V	Molekulare Grundlagen der zellulären Mikrobiologie	1
V	Molekulare Wirkungsmechanismen von Toxinen	1
V	Modellorganismen in der Funktionellen Genomanalyse	1
V	Methoden der Funktionellen Genomanalyse	1
V	Angewandte Bioinformatik - Analyse komplexer Datensätze	1
Module Immunologie		
V	Zelluläre und molekulare Immunologie	2
V	Klinische Immunologie	2
S	Immunologie	5
Üb	Zelluläre und molekulare Immunologie 1	3
Üb	Zelluläre und molekulare Immunologie 2	3
Üb	Immundiagnostik 1	3
Üb	Immundiagnostik 2	3
Module Mikrobiologie		
GP*	Physiologie der Mikroorganismen	6
V/S	Pathogenomik	5
V	Molekulare Physiologie der Mikroorganismen	2
V	Einführung in die funktionelle Genomforschung	2
V	Medizinische Mikrobiologie	2
V	Antibiotika und andere sekundäre Metaboliten	1
V	Lebensmittelmikrobiologie	1
V	Molekulare Genetik der Prokaryoten	2
V	Spezielle, Molekulare und Klinische Virologie	2
Üb	Virologische Übungen	6
V	Molekulare Mikrobiologie und Genexpression	2
V	Spezielle Kapitel der Molekularen Mikrobiologie	
V/S	Mikrobielle Proteomics und Massenspektrometrie	2
V	Molekulare Grundlagen der Pathogenität von Mikroorganismen	2
V	Molekulare Grundlagen der zellulären Mikrobiologie	1
V	Molekulare Wirkungsmechanismen von Toxinen	1
GP*	Molekulare Mikrobiologie	6
V	Molekulare Aspekte Viraler Wechselwirkungen	2
GP*	Molekulare Mikrobiologie	
Üb	Arbeitsmethoden in der Molekularen und Klinischen Virologie	6
Module Pharmakologie		
V	Molekulare Pharmakologie für Fortgeschrittene	2
V	Angewandte und klinische Pharmakologie	2
S	Pharmakologie	5
Üb	Molekulare Pharmakologie 1	4
Üb	Molekulare Pharmakologie 2	4
Üb	Angewandte und Klinische Pharmakologie; Arzneimittelanalytik 1	2
Üb	Angewandte und Klinische Pharmakologie; Arzneimittelanalytik 2	2
Module Physiologie		
V	Ausgewählte Kapitel der Physiologie des Menschen einschließlich pathophysiologischer Aspekte	3
V	Neuronale und Sensorische Physiologie	2

S	Signaltransduktion	5
S	Molekulare Mechanismen Physiologischer Prozesse	5
Üb	Zellphysiologie	6
Module Virologie		
V	Molekulare Aspekte Viraler Wechselwirkungen	2
V	Molekulare Mikrobiologie und Genexpression	2
S	Spezielle, Molekulare und Klinische Virologie	5
Üb	Arbeitsmethoden in der Molekularen und Klinischen Virologie	6
GP*	Molekulare Mikrobiologie	6
V	Molekulare Grundlagen der zellulären Mikrobiologie	2
V	Molekulare Grundlagen der Pathogenität von Mikroorganismen	2
V/S	Mikrobielle Proteomics und Massenspektrometrie	1
From the Pharmacy degree programme		
S*	Toxikologie der Hilfs- und Schadstoffe Teil I: Metalle und Metallverbindungen	1
S*	Toxikologie der Hilfs- und Schadstoffe Teil II: Immuntoxizität der Hilfs- und Schadstoffe	1
S*	Toxikologie der Hilfs- und Schadstoffe Teil II: Karzinogene und Karzinogenese	1
S*	Toxikologie der Hilfs- und Schadstoffe Teil II: Toxidrome und klinische Toxikologie	1
From the master's programme Infection Biology & Immunology		
All <i>lectures</i> from the Master's programme Infection Biology & Immunology (Faculty of Mathematics and Natural Sciences, Greifswald) can be credited; <i>seminars and practical courses</i> cannot be taken due to limited study places. Course language: English		

* For participation in practical courses and other courses with limited places, please contact the respective lecturer before registering.

January 31, 2023

Appendix 3 to the PhD, MD/PhD, DMD/PhD Doctoral Regulations: Regulations on qualitative and quantitative requirements for publications

- (1) In the three required original publications of the cumulative thesis, the doctoral candidate should have been lead author at least once. In exceptional cases, among the three original publications, there may be a maximum of one paper that has been submitted for publication at the opening of the doctoral procedure but has not yet been finally accepted for publication.
- (2) The journals to which the papers have been published or accepted for publication or submitted should be able to be assigned on a subject-specific basis according to the criteria of a recognised bibliographic database such as Web of Science.
- (3) The cover text ("summary" according to § 6 para. 3) should be at least 6,000 and at most 12,000 words (approx. 20-40 pages) excl. bibliography and should be structured as follows: Short Summary of one page each in German and English, Introduction, Methods, Results, Discussion. The cover text serves to link the publications in terms of content (embedding in an overarching context) and to discuss issues that go beyond the topics dealt with in the publications. For example, methodological background, calculations or evaluations can be described in more detail, and further results or questions that have arisen after the original papers were published can be highlighted.
- (4) The doctoral candidate's share in the publications must be documented by a written declaration by the doctoral candidate and the supervisor, and handed in to the doctoral board with submission of the thesis. In the case of a publication for which the doctoral candidate is the lead author, he/she must have played a predominant role in planning the scientific paper, collecting and/or analysing data, evaluating and interpreting the results. In the case of a publication for which the doctoral candidate is a co-author, he/she must have played a significant role in planning the scientific paper, collecting data, evaluating and interpreting the results.
- (5) If two persons share a first authorship, this can be counted as a full first authorship upon justified application to the doctoral board by the thesis committee. The application is to be made before the thesis is submitted. Such a request is excluded if three or more persons share first authorship for one article.

Entry into Force, Expiry

(1) These Regulations shall enter into force on the day after they are announced to university members.

(2) At the same time, the Doctoral Regulations of the Faculty of Medicine dated February 3, 2011 (Mittl.bl. BM M-V p. 511) shall expire.

Issued on the basis of the resolution of the Senate of the University of Greifswald from August 19, 2020 and after approval by the Rector from August 24, 2020.

Greifswald, 24 August 2020

**Rector
of the University of Greifswald
Professor Dr. Johanna Eleonore Weber**

Publication note: Announced to university members on: 24 August 2020