

Please note: This publication is an English translation of the Examination Regulations for the M.Sc. Periodontology. Only the German original of these regulations as published in the Official Announcements of RWTH Aachen University (“Amtliche Bekanntmachungen”) is legally binding.

Program-Specific Examination Regulations

for the Master’s degree program

Periodontology

of RWTH Aachen University

dated January 18, 2021

On the basis of §§ 2 para. 4, 64 of the law governing the Universities of the Federal State of North Rhine-Westphalia (Higher Education Act – HEA) in the version of the Announcement dated September 16, 2014 (GV. NRW p. 547), most recently amended by Article 1 of the Act on further protective measures taken in management of the Corona pandemic within the context higher education dated December 20, 2020 (GV. NRW p. 1110), RWTH Aachen University (RWTH) has issued the following examination regulations:

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I. General Information

§ 1

Scope of Application and Academic Degree

- (1) These examination regulations apply to the Master's degree program Periodontology at RWTH Aachen University. They apply in conjunction with the General Examination Regulations (GER) in their relevant applicable version only, and include additional program-specific regulations. In cases of doubt, the General Examination Regulations take precedence over the program-specific Examination Regulations.
- (2) After the successful completion of this Master's degree program, the Faculty of Medicine awards the academic degree of Master of Science RWTH Aachen University (M.Sc. RWTH).

§ 2

Types and Objectives of the Study Program and Language Provisions

- (1) This is a Master's degree program for the purpose of further education according to § 2 para. 4 GER.
- (2) The overall educational objectives are set out in § 2 para. 1, 3 and 4 GER. For further information and provisions on the objectives of this Master's degree program, please refer to appendix 2 of the present Examination Regulations.
- (3) Teaching takes place in the English language.

§ 3

Admission Requirements

- (1) Requirement for admission is a recognized first degree from a recognized university according to § 3 para. 4 GER.
- (2) To meet the educational prerequisites and successfully complete the Master's degree program Periodontology, the applicant must have the necessary competence in the following areas:
 - A license to practice dentistry or proof of a dental training completed abroad that is equivalent to German training
 - Work experience in a clinic or practice of generally not less than two years
- (3) For this Master's degree program, proof of adequate proficiency in the English language must be provided according to § 3 para. 9 GER. As an alternative, the Examination Board verifies the equivalence to the proofs listed in § 3 para. 9 ÜPO, e.g. by submission of a Bachelor thesis written in English or a colloquium conducted in English.
- (4) § 3 para. 12 GER applies for determining whether admission requirements are met.
- (5) General regulations on the recognition of prior examination performances are stated in § 13 GER.

§ 4
**Standard Period of Study, Curriculum,
 Credit Points and Scope of Study**

- (1) The standard period of study is three semesters (1.5 years) full-time, including preparation of the Master's thesis. This degree program can only be commenced in the winter semester.
- (2) The study program consists of one compulsory area and the Master's thesis. A total of 60 Credit Points must be acquired to successfully complete this program. The Master's examination is composed as follows:

Periodontology Compulsories	40 CP
Master's Thesis	20 CP
Sum	60 CP

- (3) This program comprises 9 modules including the Master's thesis module. All modules are defined in the module handbook. The weighting of the examinations with Credit Points to be taken in the individual modules is carried out in compliance with § 4 para. 4 GER.
- (4) In administering this program, RWTH International Academy gGmbH ensures that the standard period of study can be adhered to, and that the modules required for a degree in particular and the corresponding examinations as well as the Master's thesis can be completed within the scheduled time frame and deadlines.

§ 5
Obligatory Attendance in Classes

- (1) According to § 5 para. 2 GER, obligatory attendance can only be stipulated in courses of the following type:
 1. Tutorials
 2. Seminars
 3. Colloquia
 4. (Laboratory) practicals
- (2) Courses for which attendance is compulsory according to para. 1, are identified as such in the module handbook.

§ 6
Examinations and Examination Deadlines

- (1) General regulations on examinations and examination periods are stipulated in § 6 GER.
- (2) If the successful participation in modules or examinations or passing of module components according to § 5 para. 4 GER is stipulated as a precondition for participation in other examinations, this is indicated accordingly in the module handbook.

§ 7 Types of Examinations

- (1) General regulations on types of examination are stipulated in § 7 GER.
- (2) In accordance with § 7 para. 1 GER, the following other forms of examination are allowed:
 1. In **simulation games**, students will learn to implement the given projects in teams (small groups) while assuming a defined assigned role. Simulation games can be computer-aided on the basis of programmed software or without such software. Students make active decisions on the basis of defined rules and on the content discussed in other modules, which are to be implemented in actions. Simulation games can be offered in cooperation with one or more university lecturers, or together with practice experts.
 2. Modules with special didactic forms are project modules and include, for example, a **case study analysis and discussion**, a **video interview** or a **video description** as a form of examination. In the project modules with special didactic form, students will learn to work in teams and successfully implement the content covered in the other modules. Project modules with special didactic form can be both theory- and application-oriented. Topics and contents of the project modules can be defined on a semester-specific basis.
 3. A **practical examination** involves practical work on a task from the areas of periodontal surgical techniques, non-surgical dental treatment or dental laser treatment on a jaw model. Students are required to demonstrate practical proficiency and the ability to demonstrate subject-specific techniques as determined by the subject.
- (3) The duration of a written examination usually is ...
 - 60 to 90 minutes for up to 5 Credit Points awarded
 - 90 to 120 minutes for 6 or 7 Credit Points awarded
 - 120 minutes or more for 8 or more Credit Points awarded.
- (4) The duration of an oral examination is 15 minutes at least and 45 minutes at most per candidate for up to 5 Credit Points awarded and 30 minutes at least and 60 minutes at most per candidate for more than 5 Credit Points awarded. An oral examination as a group examination is carried out with no more than four candidates.
- (5) The scope of a written term paper is 10 to 20 pages. The processing time of a written term paper depends on the CP awarded.
- (6) The following applies to project work in particular: Within the framework of a project, the solution to a narrowly defined, scientific problem is to be worked out independently in a small group under guidance, presented in writing, and then presented. The scope of the written paper is a minimum of 20 and a maximum of 60 pages (original material for documentation in appendix exclusive).
- (7) The scope of a written preparation for a presentation is 5 to 10 pages. The duration of a presentation is 15 to 45 minutes.
- (8) The following applies to colloquia in particular: the duration of a colloquium is 15 minutes at least and 60 minutes at most.
- (9) At the start of a course, the examiner specifies the duration of the examination and, if applicable, other modalities of the examination.

- (10) Admission to module examinations may be conditional on the successful completion of module components as pre-examination within the meaning of § 7 para. 15 GER. For relevant modules, this will be outlined in the module handbook. At the start of the semester and no later than by the time of the first course session, the lecturer provides precise criteria in the CMS regarding possible improvement of grades through the completion of module components, particularly the amount and type of tutorials qualifying for bonus as well as the mode of correction and evaluation.

§ 8 Assessment and Grading

- (1) General regulations on assessing examinations and on the formation of grades are stipulated in § 10 GER.
- (2) If an examination consists of several tests, each test must be passed, or have a grade of at least "sufficient" (4.0).
- (3) A module has been passed if all associated examinations have been passed with a grade of at least "sufficient" (4.0), and all other Credit Points have been achieved or module components have been completed according to the relevant program-specific Examination Regulations.
- (4) The overall grade is formed taking into account all module grades and the grade of the Master's thesis in accordance with § 10 para. 10 GER.

§ 9 Examination Board

The responsible Examination Board according to § 11 GER is the Master's Examination Board Periodontology of the Faculty of Medicine.

§ 10 Repeating Examinations or the Master's Thesis and the Loss of Right to Examination

General regulations on repeat examinations, the Master's thesis, and the loss of right to examinations are stipulated in § 14 GER.

§ 11 Deregistration, Non-Attendance, Withdrawal, Deception, Non-Compliance

- (1) General provisions on deregistration, non-attendance, withdrawal, deception or noncompliance are stipulated in § 15 GER.
- (2) The following applies to the cancellation of internships and seminars: In the case of block courses withdrawal is possible up to one day before the first day of the course.
- (3) In the case of modules with special didactic forms, the candidate may withdraw from examinations up to two weeks before the first relevant examination date without giving reasons.

II. Master's Examination and Master's Thesis

§ 12

Type and Scope of the Master's Examination

- (1) The Master's examination consists of
 1. examinations that are to be completed based on the structure of the degree program according to § 4 para. 2 and detailed in the module handbook, as well as
 2. the Master's thesis and the Master's colloquium.
- (2) The order of courses is based on the curriculum (appendix 1). The assignment for the Master's thesis can only be issued if 30 Credit Points have been attained.

§ 13

Master's Thesis

- (1) General regulations on the Master's thesis are set out in § 17 GER.
- (2) Reference is made to § 17 para. 2 GER regarding the supervision of the Master's thesis.
- (3) The Master's thesis is written in the English language.
- (4) The time frame for students to complete their Master's thesis is usually six months at most alongside studies. Upon separate application to the examination board, processing can take place in a period of a maximum period of 12 months. In justified exceptional cases, the time frame can be extended by a maximum of up to six weeks upon application to the Examination Board in accordance with § 17 para. 7 GER. The scope of the written work should not exceed 60 pages without annexes.
- (5) The workload for preparing and completing the Master's thesis as well as for the colloquium corresponds to 20 credit points. § 7 para. 12 ÜPO in conjunction with § 7 para. 8 applies accordingly. It is possible to hold the master's degree colloquium before the master's thesis is submitted. The Master's degree colloquium is to be held no later than six weeks after the submission of the written work of the Master's thesis. The grading for the Master's thesis can only be carried out after the Master's final colloquium was held.

§ 14

Acceptance and Assessment of the Master's Thesis

- (1) General provisions on acceptance and assessment of the Master's thesis are stipulated in § 18 GER.
- (2) The Master's thesis must be submitted in due time in duplicate copies to the Central Examination Office (Zentrales Prüfungsamt, ZPA). The copies must be printed and bound. Additionally, the thesis must be submitted as a PDF file on a data carrier.

III. Final Provisions

§ 15 Viewing of Examination Files

Review of examination documents is carried out in accordance with § 22 GER.

§ 16 Coming into Effect, Publication and Transitional Provisions

- (1) These Examination Regulations are published as an Official Announcement of RWTH Aachen University (“Amtliche Bekanntmachungen”) and come into effect on the day after publication.
- (2) These Examination Regulations apply to all students who enrolled in the Master’s degree program Periodontology at RWTH Aachen University.

Issued based on the resolutions of the Faculty Council of the Faculty of Medicine dated December 7, 2020.

It should be noted that, according to § 12, para. 5 of the law governing the Universities of the Federal State of North Rhine-Westphalia (Higher Education Act - HEA), a violation of procedural or formal regulations of the regulatory law or other autonomous law of the university can no longer be asserted after the expiry of one year from the date of this announcement, unless

- 1) the regulations were not duly announced,
- 2) the rector’s office has previously objected to the decision of the body deciding the regulations,
- 3) the university has been notified in advance of the formal or procedural defect, indicating the legal provision that has been violated and the fact that gives rise to the defect.
- 4) the legal consequences of the exclusion of the right of appeals was not pointed out when the regulations were published.

The Rector
of RWTH Aachen University

Aachen, January 18, 2021

sgd. Rüdiger
Univ.-Prof. Dr. rer. nat. Dr. h. c. mult. U. Rüdiger

Appendix 1 – Curriculum

Periodontology (M.Sc.)

Modules	CP	WS - 1. Sem.			SS - 2. Sem.			WS - 3. Sem.		
		L	E	P	L	E	P	L	E	P
		SWS			SWS			SWS		
Periodontology Compulsories (Compulsory)		20	20	20	20	20	0			
Oral Microbiology, Pathogenesis and Medical Immunology	5	2		1						
Periodontal Disease and Non-surgical Therapy	5	2		1						
Regenerative and Resective Therapy Approaches	5	2		1						
Surgical Therapy and Perio-Restorative Concepts	5	2		1						
Appearance, Adaption and Emergency Management	5				2		1			
Maintenance, Peri-Implantitis and DVT diagnostics	5				2		1			
Implantology and Implant Prosthetics	5				2		1			
Lasers in Periodontal Therapy	5				2		1			
Master Thesis (Compulsory)	20	0			0			20		
Master Thesis & Clinical Case Review	20									6 Months
Master Colloquium										
Total	60	20			20			20		

WS = Winter Semester
 SS = Summer Semester
 L = Lecture
 E = Exercise
 P = Practical Work
 CP = Credit Points

Appendix 2 – Objectives of this Master's degree program

This Master's degree program is designed as a post-graduate continuation of a first professional university degree in the field of dentistry and aims to provide in-depth, professionally qualifying specialization in the treatment of periodontal diseases. In the course of study, students acquire practical training in diagnostics, prevention and the non-surgical treatment of periodontal diseases. This enables dentists to recognize periodontal diseases in time and to treat simple to moderate cases. In addition, students receive in-depth, practical training in surgical procedures (periodontal surgery).

Periodontology deals holistically with the prevention (prophylaxis), detection (diagnosis) and treatment of diseases of the gums (gingiva) and the entire periodontium. A reciprocal influence of periodontal and general disease patterns as well as a growing need for implantological and peri-implant therapy are regarded as proven. Graduates of the M.Sc. Periodontology have acquired the multidisciplinary expertise to provide appropriate therapeutic options in a holistic and demand-oriented manner. Evidence-based theory and modern treatment methods, treatment planning and preparation, systematic organization of scientific and clinical findings, and evidence-based patient care are also focal points of the on-the-job program.

The Master's degree program is thus designed to qualify graduates for an expanded range of professional activities. This includes the specialist, analytical and methodological knowledge relevant to periodontology as well as the ability to work independently in a scientific and research-based manner and the teaching of interdisciplinary skills, such as the doctor-patient conversation in the sense of "talking dentistry". Furthermore, they can constantly and independently update their knowledge. They can use this to gain new knowledge and to solve problems and demonstrate a critical awareness of the tasks at the interface between general medical and dental issues.