

## English Translation

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### **Academic Regulations and Procedures for Students of the Nutritional Medicine Master Program at the University of Lübeck awarding the Degree “Master of Science”**

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#### **§ 1**

##### **Area of application**

These academic regulations and procedures, together with the examination rules and regulations (PVO) of the University of Lübeck for students in the bachelor and master degree programs at the University of Lübeck, regulate the Nutritional Medicine master degree program at the University of Lübeck.

#### **§ 2**

##### **Program Objective**

(1) The Nutritional Medicine master degree program prepares its graduates to understand nutritional medical issues and to work with scientific methods. Academics with a research-oriented education are needed to investigate the effect diet has on the formation and influencing of diseases.

(2) The objective of the master degree program in Nutritional Medicine is to provide knowledge of scientific methods and models as well as to develop medically-oriented nutritional and physiological proficiencies so as to enable students to independently identify and work on nutrition science issues.

(3) The Nutritional Medicine master degree program is research-oriented and consecutive to the Nutritional Medicine bachelor degree program at the University of Lübeck. The students are expected to have already developed extensive, in-depth knowledge, proficiencies and competences in the field of nutritional medicine as taught in the undergraduate degree program.

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<https://www.uni-luebeck.de/universitaet/hochschulrecht/amtliche-bekanntmachungen.html>

(4) Upon successful completion of the Master's program, the University of Lübeck awards the academic degree "Master of Science" (M.Sc.).

### **§ 3**

#### **Admission Requirements**

(1) The master degree program is consecutive to (a continuation of) the Nutritional Medicine bachelor degree program of the University of Lübeck.

(2) Prerequisite for admission to the Nutritional Medicine master degree program, the applicant must provide the following documentation:

1. A bachelor degree in Nutritional Medicine or a related subject, for which the applicant must provide documentation,
  - a) that he or she has earned a bachelor degree or an equivalent degree in Nutritional Medicine or in a closely-related program of study at a German university or a university which belongs to one of the Bologna signatory states or
  - b) that he or she has earned an equivalent degree in a closely-related program of study at a foreign university.

The equivalence of a foreign qualification will be determined in accordance with the assessment recommendations (aka Statement of Comparability) of The Standing Conference of the Ministers of Education and Cultural Affairs of the Länder (States) in the Federal Republic of Germany (<https://www.kmk.org/kmk/information-in-english.html>). The marks on the foreign proof of qualification are to be converted to the German marking system.

2. Proof of the special qualification in that the undergraduate degree was completed with a grade of 2.7 or better.
3. Proof of sufficient knowledge of English in accordance with CEFT B2 (proven by submission of a German Abitur certificate showing courses in the language were taken for at least seven years, or through appropriate language tests ( e.g. TOEFL, IELTS)).

(3) The existence of the necessary documentation and fulfillment of the admission requirements referred to in paragraph 2 will be determined by the Examination Board.

(4) At the time of application, if the qualifying degree program has not yet been completed, however the bachelor thesis has already been begun, submitted proof of examinations totaling at least 135 credits with an average grade of at least 2.7 will be sufficient to qualify for conditional admission. In this case, proof of the successful completion of the degree must be provided within three months after beginning the master degree program. Failure to do so will void the admission.

(5) Admission will be denied if the applicant has irrevocably failed an examination deemed necessary by the Examination Regulations of a Nutritional Medicine degree program at a university of applied sciences in Germany or if the applicant is involved in a review process in said degree program.

(6) Students cannot be concurrently enrolled in the Nutritional Medicine master degree program and degree programs of the university which cover more than 25%, as regards content.

(7) Admission to the degree program can only take place in the winter semester.

#### **§ 4**

#### **Master Agreement**

In the case of applicants for whom the Examination Board deems that the competencies acquired in the bachelor degree program do not exactly fulfill prerequisites and the relevant competencies could be acquired through attending and/or repeating a course or courses in the bachelor degree program, a so-called master agreement may be drawn up between the applicant and the Examination Board Chairperson. This would identify which modules from the bachelor degree program should be successfully completed and the deadline for completion. No more than three modules may be agreed upon. In the event of failure to complete the agreed modules by the time specified, the chairperson of the Examination Board will issue an invitation for student advising in accordance with § 6 PVO.

#### **§ 5**

#### **Curriculum**

The degree program is divided into the following sub-areas:

1. Nutritional sciences
2. Biosciences / Life sciences
3. Transferable skills

#### **§ 6**

#### **Structure and Scope of the Degree Program**

(1) The degree program courses comprise a total of 120 credit points (KP) according to ECTS standards, with a prescribed period of study of two years. Credit points earned per teaching module:

1. in the Nutritional Sciences compulsory section 43 KP (incl. internship comprises worth 18 KP)
2. in the Biosciences compulsory section 11 KP
3. in the interdisciplinary compulsory section 16 KP
4. in the subject-specific optional/elective courses 20 KP

The master thesis is worth 30 KP, with a final colloquium.

(2) Participation in further training modules offered by the university, which are beyond those specified in paragraph 1 of the module handbook, is possible and recommended. The results of such examinations can, upon request, be listed in the Diploma Supplement, provided they are included in one of the module handbooks of a degree program of the University of Lübeck.

(3) The teaching modules of the individual sections and the optional/elective courses are listed in the appendix and described in detail in the module handbook. Mandatory as well as elective modules which are part of a prior bachelor degree program and have already been successfully completed cannot be chosen within the master degree program.

(4) The instruction and examination language is English. Within the subject-specific optional/elective courses, sessions may also be conducted in German, however an English-language alternative will always be offered.

## **§ 7**

### **Internship**

For the master examination, an internship module with two different training sessions for a total of 22 weeks is to be completed, whereby one training session must be at least 3 months in length. The internships are for practical training and to prepare for future jobs. For this purpose, working in a business enterprise is just as suitable as that in non-university or university research institutions, provided that the activity conducted there has to do with ongoing research and development issues of the respective department and satisfies the demands made on a graduate of the master program in Nutritional Medicine. The decision on this is made on an individual basis by the Examination Board.

## **§ 8**

### **Master Examination and Examination Prerequisites**

(1) The master examination consists of course-related subject examinations for the individual teaching modules and the master thesis with a final colloquium. Examination in accordance with § 12 paragraph 1 in conjunction with §§ 13 ff. PVO lead to category A and B performance certificates.

(2) The application for permission to do the master thesis is, in accordance with § 11 paragraph 8 PVO, to be made separately in writing to the chairperson of the Examination Board.

(3) In principle, admission to the course-related subject examinations occurs, in accordance with § 11 PVO, with the enrolment in the Nutritional Medicine master degree program. For admission to a subject examination, according to § 11 paragraph 2 PVO, there could be specific prerequisites defined in the module handbook which should be scheduled before beginning that module. Prerequisites must be completed and proof submitted before the time of the examination; they are not included in the module grade.

## **§ 9**

### **Prerequisites for the Master Thesis**

The authorization to commence work on the master thesis can only take place when the requirements according to § 11 PVO have been fulfilled, a student is at least in the third semester and has submitted proof of completion of at least 70 credit points in accordance with § 6 paragraph 1.

**Supplement 1 to the Academic Regulations and Procedures for the  
Nutritional Medicine Master Degree Program  
of the University of Lübeck**

*The Module Catalog*

**1. Preliminary remarks**

In the following tables, the teaching modules (LM) are listed for which performance certificates (LZF) must be earned in order to pass the master examination, divided into the various fields of study. For each teaching module the amount of average contact hours per week (SWS), the type – lecture (V), laboratory (Ü), internship (P) or seminar (S) – the number of credit points (KP) according to the European Credit Transfer System, and the type of performance certificate – category A or B – are indicated. Further details, such as learning objectives and content, the required coursework or the type of examination are described in the module handbook (MHB).

**2. General instructions and rules for the selection of teaching modules**

Taking into account the examination rules and regulations guidelines, students have freedom of choice concerning optional/elective modules. Thereby, the following rules must be observed:

- Teaching modules cannot be counted more than once.
- Teaching modules, which have already been specified in the examination certificate or Diploma Supplement of the qualifying bachelor degree program, cannot be selected.
- Other teaching modules or module combinations may be accepted by the Examination Board if the request has been properly justified.
- Of the optional/elective courses, only a limited number of teaching modules and only with sufficient demand can be offered in each academic year.

**3. Compulsory teaching modules from the field of Nutritional Sciences**

<b>Nutritional Sciences compulsory teaching modules</b>	<b>SWS</b>	<b>KP</b>	<b>Type LZF</b>
EW4110-KP08 Pharmaconutrition	4V+2Ü	<b>8</b>	<b>A</b>
EW4150-KP07 Psychology of eating behavior (advanced course)	2V+2S	<b>7</b>	<b>A</b>
EW4210-KP05 Omics in Nutritional Medicine	2V+2S	<b>5</b>	<b>A</b>
EW4230-KP05 Nutritional Therapy	2V+2Ü	<b>5</b>	<b>A</b>
EW5100-KP18 Practical course Nutritional Medicine (Internship)	24 P	<b>18</b>	<b>A</b>
<b>Total</b>	42	<b>43</b>	

#### 4. Compulsory teaching modules from the field of Biosciences

<b>Biosciences compulsory teaching modules</b>	<b>SWS</b>	<b>KP</b>	<b>Type LZF</b>
MZ5111-KP06 Immunology	2V+2S	<b>6</b>	<b>A</b>
EW4170-KP05 System Biology	2V+2Ü	<b>5</b>	<b>A</b>
<b>Total</b>	<b>8</b>	<b>11</b>	

#### 5. Interdisciplinary compulsory teaching modules

<b>Interdisciplinary compulsory teaching modules</b>	<b>SWS</b>	<b>KP</b>	<b>Type LZF</b>
MA2214-KP04 Clinical Studies	2V+1Ü	<b>4</b>	<b>A</b>
EW4250-KP06 Clinical Studies 2 (Design and Analysis)	2V+1Ü+1S	<b>6</b>	<b>A</b>
EW5410-KP06 Scientific writing in Nutritional Medicine	2V+2S	<b>6</b>	<b>A</b>
<b>Total</b>	<b>11</b>	<b>16</b>	

#### 6. Subject-specific optional / elective courses

<b>Optional/elective teaching modules from the following catalog</b>	<b>SWS</b>	<b>KP</b>	<b>Type LZF</b>
EW4200-KP08 Molecular Medicine	6V	<b>8</b>	<b>A</b>
EW4240-KP06 Neurobiology <b>or</b> MZ4126-KP06 Clinical Neurobiology <b>or</b> MZ4121-KP06 Biology of Infections	2V+2S	<b>6</b>	<b>A</b>
EW5200-KP06 Consolidation in Nutritional Medicine	4	<b>6</b>	<b>B</b>
<b>Total</b>	<b>14</b>	<b>20</b>	

In addition to the modules in the above catalog, the Examination Board may identify further modules which can be selected for the subject-specific optional/elective courses, as long as there are spaces available in these training sessions.

#### 7. Master Project

<b>Nutritional Medicine Master Project</b>	<b>KP</b>
EW5900-KP30 Master Thesis Nutritional Medicine	<b>30</b>

**Supplement 2 to the Academic Regulations and Procedures for the  
Nutritional Medicine Master Degree Program  
at the University of Lübeck**

The following table describes the recommended course of studies.

1. Semester (30 KP)	2. Semester (30 KP)	3. Semester (30 KP)	4. Semester (30 KP)
EW4110-KP08 Pharmaconutrition 8 KP (4V+2Ü)	EW4200-KP08 Molecular Medicine * 8 KP (6V)	EW5100-KP18 Practical Course Nutritional Medicine (Internship) 18 KP (24P)	EW5900-KP30 Master thesis Nutritional Medicine 24 KP
EW4150-KP07 Psychology of Eating Behavior (advanced course) 7 KP (2V+2S)	EW4210-KP05 Omics in Nutritional Medicine 5 KP (2V+2S)		
MZ5111-KP06 Immunology 6 KP (2V+2S)	EW4230-KP05 Nutritional Therapy 5 KP (2V+2Ü)	EW5200-KP06 Consolidating in Nutritional Medicine 6 KP (4)	EW5410-KP06 Scientific Writing in NM 6 KP (2V+2S)
EW4170-KP05 Systems Biology 5 KP (2V+2Ü)	EW4240-KP06 Neurobiology or MZ4126-KP06 Clinical Neurobiology or MZ4121-KP06 Biology of Infections each 6 KP (2V+2S)		
MA2214-KP04 Clinical Studies 4 KP (2V+1Ü)	EW4250-KP06 Clinical Studies 2 (Design and Analysis) 6 KP (2V+1Ü+1S)		
<b>5 Examinations</b>	<b>5 Examinations</b>	<b>1 Examination</b>	<b>2 Examinations</b>
<b>Contact hours: V: Lecture / Ü: Laboratory / P: Internship /S: Seminar</b>			<b>KP: Credit points / ECTS credits</b>
<b>Compulsory module - Nutritional Science</b>	<b>Compulsory module - Life sciences</b>	<b>Compulsory module - (interdisciplinary)</b>	<b>Optional / Elective</b> (subject-specific)

\*3 topics must be chosen: LS4101A Molecular Oncology (2V); LS4101B Molecular Endocrinology (2V); LS4101C Molecular Biology of the Cardiovascular System (2V); LS4101G Neuroendocrinology (2V); EW4200 A Food Hypersensitivity (2V); EW4200 B Metabolic Medicine (2V)