

Examination and Academic Regulations for the Nutrition and Biomedicine Master's Program at the Technical University of Munich (Unofficial Version)

dated July 2015

In accordance with Art. 13 (1) sentence 2 in conjunction with Art. 58 (1) sentence 1, Art. 61 (2) sentence 1 and Art. 43 (5) of the Bayerisches Hochschulgesetz (BayHSchG) [Bavarian Higher Education Act] the Technical University of Munich issues the following Regulations:

Table of Contents:

- § 34 Applicability, Academic Titles
- § 35 Commencement of Studies, Standard Duration of Study, ECTS
- § 36 Eligibility Requirements
- § 37 Modular Structure, Module Examination, Courses, Course Specialization, Language of Instruction
- § 38 Examination Deadlines, Progress Monitoring, Failure to Meet Deadlines
- § 39 Examination Board
- § 40 Recognition of Periods of Study, Coursework and Examination Results
- § 41 Continuous Assessment Procedure, Types of Assessment
- § 42 Registration for and Admission to the Master's Examination
- § 43 Scope of the Master's Examination
- § 44 Repeat Examinations, Failed Examinations
- § 45 Coursework
- § 45a Multiple Choice Test
- § 46 Master's Thesis
- § 47 Passing and Assessment of the Master's Examination
- § 48 Degree Certificate, Diploma, Diploma Supplement
- § 49 Entry into Force

Appendix 1: Examination Modules

Appendix 2: Aptitude Assessment

§ 34

Applicability, Academic Titles

- (1) ¹These Examination and Academic Regulations for the Nutrition and Biomedicine Master's Program (FPSO) complement the General Academic and Examination Regulations for Bachelor's and Master's programs at the Technical University of Munich (APSO) of 18 March 2011 as amended. ²The APSO shall have precedence.
- (2) ¹Upon successful completion of the master's examination the degree "Master of Science" ("M.Sc.") is awarded. ²The academic title may also be used with the name of the university "(TUM)".

§ 35

Commencement of Studies, Standard Duration of Study, ECTS

- (1) The Nutrition and Biomedicine Master's Program at the Technical University of Munich commences in the winter semester.
- (2) ¹The number of classes in required and elective subjects needed to obtain the master's degree is 90 credits (75 weekly hours per semester) spread over three semesters. ²In addition, a period of no more than six months (30 credits) is scheduled for completing the master's thesis pursuant to § 46. ³The amount of coursework and number of examinations in required and elective subjects to be completed in the Nutrition and Biomedicine Master's Program according to Appendix 1 is a minimum of 120 credits. ⁴The standard duration of study for the master's program will be a total of four semesters.

§ 36

Eligibility Requirements

- (1) Eligibility for the Nutrition and Biomedicine Master's Program is demonstrated by
 1. a qualified bachelor's degree requiring at least six semesters of study obtained from a domestic or foreign university, or an equivalent degree in Nutritional Science or comparable science programs focusing on bioscience;
 2. adequate knowledge of the English language; students whose native language or language of instruction is not English must demonstrate proficiency through an acknowledged language test such as the "Test of English as a Foreign Language" (TOEFL) (at least 88 points), "International English Language Testing System" (IELTS) (at least 6.5 points), or "Cambridge Main Suite of English Examinations"; alternatively, adequate language skills may be proven through a good grade in English (corresponding to at least 10 out of 15 points) as evidenced in a domestic university entrance certificate;
 3. passing of the Aptitude Assessment pursuant to Appendix 1.
- (2) A degree is considered a qualified degree within the meaning of section 1 if the competencies acquired are not substantially different from the competencies (learning outcomes) acquired in the science-oriented Nutritional Science Bachelor's Program at the TUM specified in section 1, no. 1, and correspond to the subject-specific requirements of the Master's Program.

- (3) ¹The assessment according to section 2 will be performed on the basis of the required modules of the Nutritional Science Bachelor's Program. ²If certain examination results are missing for the assessment, the Aptitude Assessment Commission pursuant to Appendix 2 no. 3 may require that the candidates demonstrate eligibility required under section 1 by taking those examinations as additional fundamentals exams pursuant to Appendix 2 no. 5.1.3. ³The candidates must be informed thereof after review of the documentation during the first stage of the Aptitude Assessment.
- (4) The comparability of programs, the subject-specific aptitude as well as the awarding of credits for competencies based on the assessment of degrees acquired from foreign institutions will be decided upon by the Aptitude Assessment Commission in compliance with Art. 63 of the Bavarian Higher Education Act [*Bayerisches Hochschulgesetz*].
- (5) ¹Notwithstanding section 1 no. 1, students who are enrolled in a bachelor's program set out in section 1 no. 1 may, upon justified application, be admitted to a master's program. ²Students may only apply if the following number of credits has been achieved at the time of application: for a bachelor's program of six semesters a minimum of 140 credits, for a bachelor's program of seven semesters a minimum of 170 credits, and for a bachelor's program of eight semesters a minimum of 200 credits. ³Certification of successful completion of the bachelor's program must be presented within one year after commencement of the master's program.

§ 37

Modular Structure, Module Examination, Courses, Fields of Study, Language of Instruction

- (1) ¹General provisions concerning modules and courses are set forth in §§ 6 and 8 of the APSO. ²For any changes to the stipulated module requirements, § 12 (8) of the APSO shall apply.
- (2) ¹The curriculum listing the required and elective courses is included in Appendix 1.
- (3) ¹The language of instruction in the Nutrition and Biomedicine Master's Program is English. ²Therefore no proof of proficiency in the German language is required for enrollment pursuant to § 7 (4) no. 9 of the Statutes governing Enrollment, Re-Enrollment, Leave of Absence and Withdrawal [*Immatrikulations-, Rückmelde-, Beurlaubungs- und Exmatrikulationssatzung (ImmatS)*] of the Technical University of Munich of 9 January 2014 March 2007, as amended.

§ 38

Examination Deadlines, Progress Monitoring, Failure to Meet Deadlines

- (1) ¹Examination deadlines, progress monitoring, and failure to meet deadlines are governed by § 10 of the APSO.
- (2) ¹By the end of the second semester at least one of the examinations in the modules "Advanced Metabolism", "Disease Pathologies and Nutrition" and "Nutrition and Microbe-host Interactions" as listed in Appendix 1 must be successfully completed. ²In the event of failure to meet deadlines, § 10 (5) of the APSO shall apply.

§ 39 Examination Board

Pursuant to § 29 of the APSO the board responsible for all decisions concerning examination matters shall be the Master's Examination Board of the Nutrition Study Program Division.

§ 40 Recognition of Periods of Study, Coursework, and Examination Results

The recognition of periods of study, coursework and examinations is governed by the provisions of § 16 of the APSO.

§ 41 Continuous Assessment Procedure, Types of Assessment

- (1) In addition to written examinations (*Klausuren*) and oral examinations, types of assessment pursuant to § 12 and § 13 of the APSO may include (but are not limited to) laboratory assignments, exercises (tests, where applicable), reports, project work, presentations and/or research papers.
- a) ¹**Klausuren** are supervised written examinations that require students to demonstrate, within a limited amount of time and using predefined methods and resources, their ability to identify problems, find solution strategies and, if required, implement them. ²The duration of *Klausuren* is provided for in § 12 (7) of the APSO.
 - b) ¹Depending on the discipline, **laboratory assignments** may include tests, measurements, field work, field exercises, etc. designed for evaluating results and gaining knowledge. ²These may consist of, for example, process descriptions and the underlying theoretical principles including the relevant literature; preparation and practical implementation; calculations, if required; documentation, evaluation, and interpretation of the results in the context of the knowledge to be gained. ³Laboratory assignments may be complemented by presentations designed to demonstrate a student's communication competency in presenting scholarly work to an audience. ⁴Details of each laboratory assignment and the related competencies to be examined are set out in the module descriptions.
 - c) ¹**Exercises (tests where applicable)** are administered to assess a student's ability to complete assigned tasks (for example, solving mathematical problems, writing computer programs, designing models) using theoretical knowledge to solve application-oriented problems. ²Exercises are designed to assess a student's factual and detailed knowledge and its application. ³Practical exercises may be administered in writing, orally, or electronically. ⁴They may be in the form of homework assignments, practice sheets, programming exercises, (e-) tests, tasks assigned within a university internship program, etc. ⁵Details of each practical exercise and the related competencies to be examined are set out in the module descriptions.
 - d) ¹A **report** is a written record and summary of a learning process for the purpose of presenting the acquired knowledge in a structured way and analyzing the results in the context of a module. ²Students are expected to demonstrate that they have understood all essential aspects and are able to present them in writing. ³Reports may include excursion reports, internship reports, work reports, etc. ⁴The written report may be complemented by a

presentation for the purpose of assessing the student's communication competency in presenting scholarly work to an audience.

- e) **Project work** is designed to reach, in several phases (initiation, problem definition, role assignment, idea generation, criteria development, decision, implementation, presentation, written evaluation), the defined objective of a project assignment within a given period of time and using suitable instruments. ²In addition, project work may include a presentation in order to assess a student's communication competency in presenting scholarly work to an audience. ³The specific components of each project work assignment and the related competencies to be assessed are delineated in the module description. ⁴Project work may include group work. ⁵Students are expected to demonstrate that they are able to complete the tasks in a team environment. ⁶A student's contribution to group work which is to be assessed as a component of an examination must be clearly identifiable and gradable. ⁷This also applies to each individual's contribution to the group result.
- f) **A research paper** is a written assignment in which students work independently on solving complex scholarly or scholarly/application-oriented problems, using the scientific methods of the related discipline. ²Students are expected to demonstrate that they are able to solve problems corresponding to the learning outcomes of the module in question in compliance with the guidelines for scholarly work – from analysis and conception to implementation. ³Research papers, differing in their requirement standards, may take the form of a handout, abstract, essay, term paper, seminar paper, etc. ⁴The research paper may be complemented by a presentation and/or a colloquium for the purpose of assessing the student's communication competency in presenting scholarly work to an audience. ⁵Specific details on each research paper and the related competencies to be assessed are set out in the module description.
- g) **A presentation** is a systematic and structured oral performance supported by suitable audio-visual equipment (such as beamers, slides, posters, videos) for the purpose of demonstrating and summarizing specific issues or results and paring complex problems down to their essential core. ²For the presentation, the student is expected to demonstrate that he or she is capable of preparing a certain topic within a given time frame in such a way as to present or report it in a clear and comprehensible manner to an audience. ³In addition, the student is expected to demonstrate that he or she is able to respond competently to any questions, suggestions or discussions brought by the audience and relating to his or her subject area. ⁴The presentation may be complemented by a brief written precis. ⁵The presentation may be prepared either individually or in groups. ⁶A student's contribution to group work which is to be assessed as a component of an examination must be clearly identifiable and gradable. ⁷This also applies to each individual's contribution to the group result.
- h) **An oral examination** is a timed, graded discussion on relevant topics and specific questions to be answered. ²In oral examinations students are expected to demonstrate that they have reached the qualification objectives laid out in the module descriptions, understood the central concepts of the subject matters covered by the exam, and are able to apply them to specific problems. ³The oral examination will be held either as an individual or group examination. ⁴The duration of the examination is provided for in § 13 (2) of the APSO.
- (2) ¹The module examinations will, as a rule, be taken concurrently with the program. ²Type and duration of module examinations are provided for in Appendix 1. ³In the event of divergence from those provisions, § 12 (8) of the APSO must be complied with. ⁴The assessment of the module examination is governed by § 17 of the APSO. ⁵The grade weights of module examination components correspond to the weighting factors assigned to them in Appendix 1.

- (3) Where Appendix 1 provides that a module examination is either in written or oral form, the examiner will inform the students in appropriate form, at the commencement of classes at the latest, of the type of examination to be held.

§ 42

Registration for and Admission to the Master's Examination

- (1) Students who are enrolled in the Nutrition and Biomedicine Master's Program are deemed admitted to the module examinations of the master's examination.
- (2) ¹Registration requirements for required, required elective, and elective module examinations are stipulated in § 15 (1) of the APSO. ²The registration requirements for repeat examinations for failed required/required elective modules are stipulated in § 15 (2) of the APSO.
- (3) In the event of failure to appear at an examination, the module examination is deemed taken and not passed unless conclusive grounds are given pursuant to § 10 (7) of the APSO.

§ 43

Scope of the Master's Examination

- (1) The master's examination consists of:
1. the module examinations in the corresponding modules pursuant to section (2);
 2. the master's thesis pursuant to § 46.
- (2) ¹The module examinations are listed in Appendix 1. ²70 credits must be earned in required modules and a minimum of 20 credits in elective modules. ³The selection of modules must be in compliance with § 8 (2) of the APSO.

§ 44

Repeat Examinations, Failed Examinations

- (1) The repetition of examinations is governed by § 24 of the APSO.
- (2) ¹Each module examination may be retaken at least once. ²The repeat examination for a module examination administered at the end of the lecture period and not passed must be taken no later than by the end of the first week of the lecture period of the following semester. ³The repetition of failed module examination components for modules extending over two semesters is governed by § 24 (4), sentence 5, of the APSO.
- (3) Failure of examinations is governed by § 23 of the APSO.

§ 45

Coursework

The Nutrition and Biomedicine Master's Program requires coursework to be completed in the amount of 3 credits (Basics Nutrition and Food) as well as for the components set out in § 43 (3).

§ 45 a Multiple Choice Test

Multiple choice tests are governed by § 12 a of the APSO.

§ 46 Master's Thesis

- (1) ¹As part of the master's examination, each student must write a master's thesis pursuant to § 18 of the APSO. ²The master's thesis topic may be assigned/the master's thesis may be supervised by any competent examiner (thesis supervisor) of the Technical University of Munich. ³The examiners according to sentence 2 will be appointed by the Examination Board.
- (2) Work on the master's thesis should commence after successful completion of all module examinations.
- (3) ¹The period of time between topic assignment and submission of the completed master's thesis must not exceed six months. ²If not submitted in time without good reason as set out in § 10 (7) of the APSO, the master's thesis will be deemed taken and not passed. ³The master's thesis should be written in the English language.
- (4) ¹If the master's thesis was not graded with at least "sufficient" (4.0), it may be repeated once with a new topic. ²Students must renew their application for admission within six weeks from receipt of the grade.

§ 47 Passing and Assessment of the Master's Examination

- (1) The master's examination is deemed passed when all examinations required for the master's examination pursuant to § 43 (1) have been passed and a plus credits account of at least 120 credits has been achieved.
- (2) ¹The grade for a module will be calculated according to § 17 of the APSO. ²The overall grade for the master's examination will be calculated as the weighted grade average of the modules according to § 43 (2) and the master's thesis. ³The grade weights of the individual modules correspond to the credits assigned to each module. ⁴The overall assessment is expressed by the designation pursuant to § 17 of the APSO.

§ 48 Degree Certificate, Diploma, Diploma Supplement

¹If the master's examination was passed, a degree certificate, a diploma, and a diploma supplement including a transcript of records are to be issued in compliance with § 25 (1) and § 26 of the APSO. ²The date to be indicated on the degree certificate is the day when all examination and coursework requirements have been fulfilled.

§ 49
Entry into Force

- (1) ¹These Examination and Academic Regulations shall enter into force on the day following their promulgation. ²They shall apply to all students who commence their studies at the Technical University of Munich as of the winter semester 2015/2016.

- (2) ¹At the same time the Subject Examination Regulations for the Nutrition and Biomedicine Master's Program at the Technical University of Munich of 6 June 2011 shall cease to be in effect. ²Students who were registered for courses awarding credits toward the degree before the winter semester 2015/2016 will complete their master's program in accordance with sentence 1.

Appendix 1: Examination Modules

#	Module name	Type of instruction SWS V S Ü P*	Sem.	SWS*	Credits	Type of examination	Duration of examination	Weighting factor	Language of instruction
---	-------------	--	------	------	---------	---------------------	-------------------------	------------------	-------------------------

Required Modules

1	Basics Nutrition and Food	V+Ü	1.	3+1	3	written exam (SL)	120 min		English
2	Advanced Metabolism	V	1.	3	5	written exam	120 min		English
3	Disease Pathologies and Nutrition	V+S*	1.	4+2	8	written exam presentation (SL)	120 min		English
4	Energy Balance Regulation	V+S	1.	2+2	5	written exam	90 min		English
5	Research Tools I and II	V+V V+Ü	1. 2.	2+1 1+2	8	written exam written exam	120 min 90 min	1:1	English
6	Recent Topics	V	1.+2.	4	5	essay			English
7	Integrated Lab Course	Ü	1.+2.	8	8	lab course			English
8	Food and Health	V+S*	2.	4+2	8	written exam presentation (SL)	120 min		English
9	Nutrition and Microbe-Host Interactions	V+S	2.	2+2	5	written exam	90 min		English
10	Nutrition in Life Stages	V	2.	3	5	written exam	120 min		English
11	Research Internship	P	3.	15	10	report (graded practicum report)			English
12	Exam Colloquium Master's Thesis	S	4.	2	30				English
	Master's Thesis		4.	28					
	Total				100 credits				

#	Module name	Type of instruction SWS V S Ü P*	Sem.	SWS*	Credits	Type of examination	Duration of examination	Weighting factor	Language of instruction
---	-------------	--	------	------	---------	---------------------	-------------------------	------------------	-------------------------

Elective Modules:

At least **20 credits** must be earned from the following list:

WZ 3213	Molecular Oncology	V+S	1.-4.	2+1	5	written exam essay	90 min	4.5:0.5	English
N.N.	Experimental Immunology and Pathology	Ü	1.-4.	5	5	lab course	-		English
N.N.	Transgenic and Stem Cell Biotechnology	V+S	1.-4.	2+1	5	written exam	90 min		English
N.N.	Pharmacology and Toxicology	V+S	1.-4.	2+1	5	written exam	90 min		German
N.N.	Food Design and Food Industry	V	1.-4.	3	5	written exam written exam	60 min 60 min	1:1	English
N.N.	Applied Food Law	V	1.-4.	4	5	oral exam	30 min		English
N.N.	Nutritional Epidemiology	V+S	1.-4.	2+1	5	written exam or oral exam	90 min or 30 min		English
N.N.	Nutrition of Selected Groups	V+Ü	1.-4.	2+1	5	written exam	60 min		English
N.N.	Mitochondrial Biology	V+S	1.-4.	2+2	5	oral exam	30 min		English
N.N.	Design and Analysis of Experiments	V+Ü	1.-4.	2+1+1	5	oral exam	30 min		English
N.N.	Health Behaviour and Health Promotion	V+S	1.-4.	2+1	5	oral exam	30 min		English
N.N.	Sustainable Land Use and Nutrition	V	1.-4.	4	5	written exam	60 min		English
N.N.	The Interdisciplinary Network	S	1.-4.	3	5	oral exam	30 min		English
	Total minimum				20 credits				

Explanations*:

SWS = Semesterwochenstunden (weekly hours per semester);

V = Vorlesung = lecture;

Ü = Übung = exercise;

P = Praktikum = practicum;

SL = Studienleistung = coursework

s/m = schriftlich/mündlich = written/oral=w/o; Klausur = written exam

The list of elective modules in Appendix 1 is not exhaustive. The Examination Board continuously updates the course catalog and communicates any changes. Students may also select German language elective modules.

Examination results in the field of Nutrition and Biomedicine obtained in a master's program at another institution of higher education (for example, in the course of a semester abroad) will be recognized up to 20 credits and count towards the master's examination as elective course as specified under Elective Modules in Appendix 1 even if there is no corresponding module in the course catalog of the Technical University of Munich provided, however, that the requirements comply with those of the Nutrition and Biomedicine Master' Program. Recognition will be determined by the Examination Board of the Nutrition Study Program Division in consultation with the student advisor for the Nutrition and Biomedicine Master's Program and the international students advisor of the Nutrition Study Program Division.

APPENDIX 2: Aptitude Assessment

Aptitude Assessment for the Nutrition and Biomedicine Master's Program at the Technical University of Munich

1. Purpose of the Assessment

¹Eligibility for the Nutrition and Biomedicine Master's Program, in addition to the requirements under § 36 (1) nos. 1 and 2, requires proof of aptitude pursuant to § 36 (1) no. 3 in accordance with the following provisions. ²The special qualifications and skills of the applicants should correspond to the Nutrition profession. ³Individual aptitude parameters are:

- 1.1 ability to perform scholarly and/or basic research and methodology-oriented work;
- 1.2 basic knowledge from an undergraduate science program focusing on bioscience;
- 1.3 knowledge of nutritional sciences and bioscience;
- 1.4 knowledge of discipline-specific English terminology.

2. Aptitude Assessment Process

- 2.1 The aptitude assessment will be offered once a year by the Nutrition Study Program Division.
- 2.2 Applications for admission to the aptitude assessment including the documentation specified in 2.3.1 through 2.3.4 must be filed online to the Technical University of Munich by 31 May for the winter semester (absolute deadline).
- 2.3 The application must include:
 - 2.3.1 a transcript of records listing completed modules of no less than 140 credits; the transcript of records must be issued by either the competent Examination Board or Academic Programs Office;
 - 2.3.2 a CV in tabular form;
 - 2.3.3 a written statement of no more than 2 DIN A4 pages stating the reasons for choosing the Nutrition and Biomedicine program at the Technical University of Munich in which the applicant explains those specific abilities and interests that make him or her particularly qualified for the Nutrition and Biomedicine Master's Program at the Technical University of Munich; an applicant's exceptional motivation and commitment is to be demonstrated by, for example, details on program-related vocational training, practica, stays abroad, or program-related further education beyond the attendance and course requirements of the bachelor's program, if necessary by appropriate documentation;
 - 2.3.4 a confirmation that the written statement is the applicant's own work and that any ideas taken from other sources have been identified accordingly.

3. Aptitude Assessment Commission

- 3.1 ¹The aptitude assessment is administered by a commission consisting of, as a rule, the Dean of Studies in charge of the Nutrition and Biomedicine Master's Program, at least two members of the professorial faculty* and at least one member of the academic staff. ²At least 50% of the commission members must be members of the professorial faculty* [*(Hochschullehrer* pursuant to Art.2, section (3), clause 1 of the Bayerisches Hochschulpersonalgesetz (BayHSchPG)]. ³A representative of the student body will be part of the commission, in an advisory capacity.

- 3.2 ¹The commission members are appointed by the Department Council in consultation with the Dean of Studies. ²At least one member of the professorial faculty is appointed as deputy member of the commission. ³As a rule, the commission is chaired by the Dean of Studies. ⁴Procedural regulations will be in accordance with Art. 41 of the BayHSchG as last amended.

4. Admission to the Aptitude Assessment

- 4.1 Admission to the aptitude assessment requires that all documentation specified in no. 2.3 has been submitted in a timely and complete fashion.
- 4.2 Applicants who have fulfilled the requirements will be assessed according to no. 5.
- 4.3 Applicants who are not admitted will receive a notification specifying the reasons and providing information on legal remedies.

5. The Aptitude Assessment Process

5.1 First stage of the aptitude assessment

- 5.1.1 ¹The commission will assess the applicants' suitability pursuant to no. 1 for a program on the basis of the application materials required under 2.3 (First stage of the aptitude assessment). ²For this purpose, the commission will evaluate and grade the application materials on a scale ranging from 0 to 80 points, 0 being the worst and 80 the best possible result.

³The following criteria will be applied in the evaluation:

a) **Academic qualification**

¹The curricular analysis is not conducted in the form of a schematic comparison of the modules, but rather on the basis of competencies. ²It will encompass the fundamental subject groups of the Nutrition Bachelor's Program at the Technical University of Munich listed in the table below.

Subject Groups/Modules	Credits TUM	
Physics	8	8
Anorganic Chemistry	9	17
Organic Chemistry	3	
Biochemistry	5	
Mathematics	5	5
Cell Biology	5	15
Genetics	5	
Microbiology	5	
Human/Animal Physiology	11	11
"Experimental Nutrition Research"/lab course (in biochemistry, microbiology; human/animal physiology, etc.)	8	8

³Where an applicant's competencies (learning outcomes) are at least equivalent to those listed above, he or she will be awarded a maximum of 30 points. ⁴If the result is not a

whole number, it will be rounded up to the higher number. ⁵Missing competencies will be deducted in accordance with the credits of the corresponding modules of the Nutrition Bachelor's Program at the Technical University of Munich.

b) Final grade

¹For each tenth of a grade that the average grade determined for the examinations amounting to 140 credits is better than 4.0, the applicant will be awarded one point. ²The maximum number of points is 30. ³There will be no negative points. ⁴Where a degree was obtained outside of Germany, the grade will be converted according to what is referred to as the "Bavarian formula" (*bayerische Formel*).

⁵If the applicant, at the time he or she files the application, submits a final degree certificate showing more than 140 credits, the assessment will be made on the basis of the modules that were awarded the best grades, up to 140 credits. ⁶The applicant must list them in the application and confirm the accuracy of the information presented in writing.

⁷The grade average is calculated from the graded module examinations up to 140 credits. ⁸The overall grade average will be calculated as the weighted grade average of the modules. ⁹The grade weights of the individual modules correspond to the credits assigned to each module. ¹⁰Grades are unrounded to the first place value after the decimal point.

c) Letter of Motivation

¹The applicant's written statement of purpose will be evaluated by two commission members and graded on a scale of 0–20 points. ²The motivation letter will be assessed using the following criteria:

1. ability of the applicants to convincingly demonstrate that they are prepared to acquaint themselves with and/or deepen their knowledge of basic research in nutrition;
2. ability of the applicants to convincingly demonstrate their special aptitude and motivation for the Nutrition and Biomedicine Master's Program by argument and meaningful examples (see 2.3.3);
3. career objective: applicants' career objective is to work in the field of modern nutrition research, biomedical research and their application in economy and society.

³The commission members independently assess each of the three criteria, which will be weighted equally. ⁴The points total will be calculated as the arithmetic means of the individual assessments, rounded up to the nearest full point.

5.1.2 ¹The applicant's points total is calculated as the sum of the individual points awarded. ²Decimal places must be rounded up.

5.1.3 ¹Applicants who have achieved at least 60 points will receive confirmation that they have passed the aptitude assessment. ²In those cases where it was determined that only some subject-specific requirements from undergraduate studies are missing, the commission may make admission subject to successful completion of Fundamentals Exams from the Nutrition Bachelor's Program in the amount of a maximum of 30 credits. ³These Fundamentals Exams must be completed during the first year of study. ⁴Failed Fundamentals Exams may be repeated only once at the next examination date. ⁵The commission may make admission to certain module examinations subject to successful completion of the Fundamentals Exam.

5.1.4 ¹Unsuitable applicants with an overall grade of fewer than 45 points will receive a rejection notice, signed by the TUM Board of Management and specifying the reasons for rejection and providing information on legal remedies. ²Signatory power may be delegated.

5.2 Second stage of the aptitude assessment

5.2.1 ¹The remaining applicants will be invited for an aptitude assessment interview. ²In the second stage of the aptitude assessment process, the applicant's qualification at undergraduate level and the result of the assessment interview will be evaluated. ³Interview appointments will be announced at least one week in advance. ⁴Time slots for interviews must be scheduled before expiration of the application deadline. ⁵The interview appointment must be kept by the applicant. ⁶If applicants are unable to attend an aptitude assessment interview due to reasons beyond their control, a later appointment may be scheduled upon an applicant's well-grounded request, but no later than two weeks before the beginning of classes.

5.2.2 ¹The aptitude assessment interview is to be held individually for each applicant. ²The interview lasts at least 20 but not more than 30 minutes for each applicant. ³The interview will focus on the following topics:

1. applicant's status of information on the Nutrition and Biomedicine Master's Program: applicant has acquired information on the content of the program and shows interest in program topics;
2. lab experience: applicant has practical experience relevant to the program and is able to report on his or her experience;
3. career goals: applicant intends to pursue a career in nutrition research; applicant is expected to explain how the program is significant to achieve this career goal;
4. qualification in bioscience: applicant is able to provide an exemplary problem solution in the field of "Bioscience Basics";
5. applicant is expected to demonstrate proficiency in discipline-specific English.

⁴The above topics may cover the documentation submitted pursuant to 2.3. ⁵Any subject-specific academic knowledge that is to be taught in the Nutrition and Biomedicine Master's Program are not a factor in the decision. ⁶With the applicant's approval, a representative of the student body may sit in on the interview.

5.2.3 ¹The aptitude assessment interview will be conducted by at least two members of the commission. ²The commission members independently assess each of the five topics, which will be weighted equally. ³Each member will assign a grade to the interview on a scale from 0 to 60, 0 being the worst and 60 being the best possible result. ⁴The points total will be calculated as the arithmetic means of the individual assessments. ⁵Decimal points will be rounded up.

5.2.4 ¹The applicant's points total in the second stage will be calculated as the sum of the points awarded under 5.2.3 and 5.1.1.1 (academic qualification) and 5.1.1.2 (grade). ²Applicants with 70 or more points will be deemed suitable.

5.2.5 ¹The applicant will be notified of the result of the aptitude assessment in writing, setting out, if necessary, any requirements determined in 5.1.3 of stage 1. ²The notice must be signed by the TUM Board of Management. ³Signatory power may be delegated. ⁴A rejection notice must specify the reasons for the rejection and provide information on legal remedies.

5.2.6 Admissions to the Nutrition and Biomedicine Master's Program shall apply to all subsequent applications for this program.

6. Record

¹The aptitude assessment process must be documented, including the date, duration and location of the assessment, the names of the commission members, the applicant's name, and the decision of the commission members as well as the final result. ²This record must contain the essential reasons for the decision and the topics discussed at the interview held with the applicants; these reasons and topics may be recorded in note form.

7. Repetition

Applicants who have failed the aptitude assessment for the Nutrition and Biomedicine Master's Program may register for one repetition of the aptitude assessment.