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Academic and Examination Regulations for the Master's Program in Nutrition and Biomedicine at the Technical University of Munich

Dated 20 August 2015

Engrossed version as amended by the Sixth Amending Statute of 8 February 2021

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 Academic and Examination Regulations for the Joint Master's Degree Program in Industrial Chemistry (*Fachprüfungs- und Studienordnung, FPSO*):

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§ 34 Applicability, Academic Titles

- (1) ¹The Examination and Academic Regulations for the Master's Program in Nutrition and Biomedicine (FPSO) complement the General Academic and Examination Regulations for Bachelor's and Master's programs at the Technical University of Munich (APSO) dated 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 Master's Program in Nutrition and Biomedicine at the Technical University of Munich commences, as a rule, in the winter semester.
- (2) ¹The number of credits in required and elective subjects needed to obtain the master's degree is 90 (75 weekly hours per semester) spread over three semesters. ²Students will have a maximum of six months (30 credits) to complete their master's thesis pursuant to § 46. ³The number of coursework units and examinations in required and elective subjects to be completed in the Master's Program in Nutrition and Biomedicine 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 Master's Program in Nutrition and Biomedicine is demonstrated by
 - 1. a qualified bachelor's degree obtained after a program of at least six semesters from a domestic or foreign institution of higher education, or at least an equivalent degree in Nutrition or a comparable natural scientific degree program with a bioscientific focus,
 - 2. an 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 "Test of English as a Foreign Language" (TOEFL) (with a minimum of 88 points), "International English Language Testing System" (IELTS) (with a minimum of 6.5 points), or "Cambridge Main Suite of English Examinations"; if, in the undergraduate program, 30 credits were obtained for examinations administered in English-language examination modules, or the thesis (at least 12 credits) was written in English, adequate proficiency in English is deemed proven.

passing of the Aptitude Assessment pursuant to Appendix 2.

- (2) A degree is considered a qualified degree within the meaning of subsection 1 if there are no significant differences with regard to the competencies (learning outcomes) acquired in the scholarly oriented bachelor's program in Nutrition at TUM specified in subsection 1, no. 1, and if these outcomes correspond to the subject-specific requirements of the master's program.
- (3) For Aptitude Assessment in accordance with subsection 2, required modules of the bachelor's program in Nutrition will be considered.

- (4) The comparability of programs, the subject-specific aptitude, as well as the equivalence of degrees acquired from foreign institutions will be decided upon by the Examination Board in compliance with Art. 63 of the Bayerisches Hochschulgesetz [Bavarian Higher Education Act].
- (5) ¹Notwithstanding Paragraph 1 No. 1, students enrolled in a bachelor's program specified in Paragraph 1 No. 1 may be admitted to the master's program in justified cases. ²An application to the master's program by students enrolled in a bachelor's program may only be submitted if it can be verified that, in the case of a six-semester bachelor's program, module examinations amounting to at least 120 credits; in the case of a seven-semester bachelor's program, module examinations amounting to at least 150 credits; and, in the case of an eight-semester bachelor's program, module examinations amounting to at least 160 credits; and be credits have been completed at the time of submission of the application. ³Verification of the awarding of the bachelor's degree must be provided within one year of commencement of the master's program.

§ 37

Modular Structure, Module Examination, Courses, Areas of Specialization, 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 provisions § 12 (8) of the APSO shall apply.
- (2) The curriculum listing the required and elective modules is included in Appendix 1.
- (3) ¹The language of instruction in the Master's Program in Nutrition and Biomedicine is English. ²Students who have not verified their knowledge of German in the application process will be conditionally admitted with the stipulation that they complete at least one module by the end of the second semester of enrollment in the degree program, in which they acquire integrative knowledge of German. The offer will be announced by the Examination Board accordingly. Optional completed extracurricular courses e.g. German courses offered by the language center, will also be recognized.

§ 38

Examination Deadlines, Academic Progress Checks, Failure to Meet Deadlines

- (1) Examination deadlines, progress monitoring, and failure to meet deadlines are governed by § 10 of the APSO.
- (2) ¹The module examination for the module "Basics Nutrition and Food" listed in Appendix 1 must be taken and passed by the end of the first semester. ²In addition, at least one of the module examinations listed in Appendix 1 for the modules "Energy Balance Regulation", "Disease Pathologies and Nutrition" or "Research Methods" must be successfully completed by the end of the second semester. ³In the event of failure to comply with these deadlines, § 10, section (5) of the APSO will apply.

§ 39 Examination Board

Pursuant to § 29 of the APSO, the body responsible for all decisions concerning examination matters shall be the Master's Examination Board of the Nutrition master's degree program.

§ 40

Recognition of Periods of Study, Coursework, and Examination Results

The recognition of periods of study, coursework and examination results 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) ¹A *Klausur* is a supervised written examination. In these written examinations, students are expected 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) ¹Exercises (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 exercises 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) ¹Project 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) ¹A 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 results 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 conceptual framework/theory paper [Thesenpapier], abstract, 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) ¹A presentation is a systematic and structured oral performance supported by suitable audiovisual equipment (such as beamer, 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) ¹An **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. ²The type and duration of module examinations is stipulated in Appendix 1. ³The selection of modules must comply with § 12 (8) of the APSO. 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 master's program in Nutrition and Biomedicine are deemed admitted to the module examinations of the master's examination.
- (2) ¹Registration requirements for required and elective module examinations are stipulated in § 15 (1) of the APSO. ²Registration requirements for repeat examinations for failed required and 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.

Scope of the Master's Examination

(1) The master's examination consists of:

1. the module examinations in the corresponding modules pursuant to subsection (2), 2. the master's thesis pursuant to § 46.

(2) ¹The module examinations are listed in Appendix 1. ²Students must successfully complete 70 credits of required modules , and at least 20 credits of elective modules. ³The selection of modules must comply with § 8 (2) of the APSO.

§ 44 Repeat Examinations, Failed Examinations

- (1) ¹The repetition of examinations is governed by § 24 of the APSO. ²The repetition of failed module examination components for modules extending over at least two semesters is governed by § 24 (4), sentence 5 of the APSO.
- (2) Failure of examinations is governed by § 23 of the APSO.

§ 45 Coursework (Pass/Fail Credit Requirements)

In the master's program Nutrition and Biomedicine, 3 credits (Basics Nutrition and Food) must be earned, as well as the partial credits specified in Appendix 1.

§ 45 a Multiple Choice Test

The conduct of multiple choice tests is 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 determined and the master's thesis supervised by expert examiners (*Themensteller*innen*) of the TUM School of Life Sciences and supervised within the scope of an examination colloquium (seminar). ³Expert examiners as stipulated in sentence 2 are appointed by the Examination Board. ⁴The Examination Board may, in individual cases, involve expert examiners from other TUM schools and departments.
- (2) Completion of the master's thesis module, as a rule, is the final examination requirement.
- (3) ¹The period of time between topic determination and submission of the completed master's thesis must not exceed 6 months. ²The master's thesis is considered presented and not passed if the student fails to submit it on time without valid reasons as specified in § 10 (7) of the APSO. ³The master's thesis must be written in English.
- (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 module grade will be determined 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 entered on the degree certificate is the day when all examination and course work requirements have been fulfilled.

§ 49 Entry into Force*)

- (1) ¹These regulations shall enter into force on the day following their publication. 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 regulations for the Master's Program in Nutrition and Biomedicine at the Technical University of Munich from 6 June 2011 shall cease to apply. Students who commenced their studies at the Technical University of prior to the winter semester 2015/2016 are to complete their studies in accordance with the regulations pursuant to sentence 1.

*) This provision concerns the entry into force of the original version of these regulations dated 21 August 2007. The date on which the amendments enter into force is set out in the Amending Statutes.

Appendix 1: Examination Modules

Required modules

No.	Module name	Type of instru ction SWS	Sem.	sws	Credits	Type of Examina tion	Duration of examin ation	Weightin g	Language of Instruction
WZ3201	Basics Nutrition and Food	V + Ü	1.	3+1	3	Written exam (SL)	120 min		English
WZ3210	Disease Pathologies and Nutrition	V+S	1.	4+2	8	Written exam + Presentation (SL)	120 min		English
WZ3208	Energy Balance Regulation	V+S	1.	2+2	5	Written exam + Presentation (SL)	120 min		English
WZ3225	Research Methods	V	1.	3	5	Written exam	120 min		English
WZ3205	Integrated Lab Course	U	1.+2.	8	10	Lab rotation???			English
WZ3204	Recent Topics	v	1.+2.	4	6	Research Paper			English
WZ3235	Advanced Metabolism	v	2.	3	5	Written exam	120 min		English
WZ3226	Basics in Computational Biology	V + Ü	2.	1+2	5	Written exam	90 min		English
WZ3233	Food and Health	V+S	2.	4+2	8	Written exam + Presentation (SL)	120 min		English
WZ3207	Nutrition and Microbe-host Interactions	V+S	2.	2+2	5	Written exam	90 min		English
WZ3211	Research Internship	P+S	3.	13+2	10	Internship Re	port		English
	Master's Thesis	P+S	4.	8+2	30	Master's Thesis			English
	Total				100 Credits				

Elective modules:

20 credits must be obtained from the following list:

No.	Module name	Type of instru ction SWS V S Ü P	Sem.	sws	Credits	Type of Examina tion	Duration of examinati on	Weighti ng	Language of Instruction
WZ3061	Applied Food Law	V	14. WiSe, SoSe	4	5	Oral Exam	20 min.		English
WZ3097	Basics in Chronobiology	V+S	14. WiSe, SoSe	2+2	5	Written Exam+ Presentation	90 min	7:3	English
WZ3098	Basics of Metabolomics	V	14. SoSe	3	5	Research Paper + Presentation (SL)			English
WZ3223	Design and Analysis of Experiments	V + Ü	14. WiSe	2+2	5	Oral Exam	30 min.		English
WZ3214	Experimental Immunology and Pathology	U	14. WiSe	5	5	Laboratory assignmen t+ Report	-	1:1	English
WZ3231	Food Design and Food Industry	v	14.	3	5	Written exam	120 min.		English
WZ3224	Health Behavior and Health Promotion	V+S	14. WiSe	2+1	5	Oral Exam+ Research Paper+ Presentation (SL)	30 min.		English
WZ3230	Mitochondrial Biology	V+S	14. SoSe	2+2	5	Oral Exam	20 min.		English
WZ3232	Molecular Oncology	V+S	14. WiSe, SoSe	2+2	5	Written exam + Research Paper (SL)	90 min		English
WZ3203	Nutrition in Life Stages	v	2.	3	5	Written exam	120 min		English
WZ3240	Research Internship (4 weeks)	Р	14.	7	5	Internship Report			English
WZ2682	Sensory and Behavioral Neurogenetics	V + Ü	14. SoSe	2+2	5	Written exam + Lab Assignment	90 min		English

WZ1676	Sustainable Land Use and Nutrition	V	14. SoSe	4	5	Written exam	60 min.	English
WZ3239	The Theoretical and Practical Basics of Systematic Energy Balance	V+S	14. WiSe	2+2	5	Oral Exam	20 min	English
WZ3055	Transgenic and Stem Cell Biotechnology	V+S	14. SoSe	2+1	5	Written exam	90 min.	English
	Total at least				20 Credits			

Explanation:

Sem. = semester; SWS = Semesterwochenstunden/weekly hours per semester; V = Vorlesung/lecture; \ddot{U} = \ddot{U} bung/exercise; P = Praktikum/internship; S = Seminar; SL = Studienleistung/ pass/fail credit; WiSe = winter semester; SoSe = summer semester

The list of elective modules in Appendix 1 is regularly updated by the Master's Examination Board Nutrition. The updated list is available on TUMonline. Elective modules in German may also be incorporated.

Credit requirements in the area of Nutrition and Biomedicine that were acquired at another university within the scope of a master's program (e. g. semester abroad) can be credited and counted as elective modules (in the elective modules section of Appendix 1) in the master's examination even if there is no corresponding module in the module catalog of the Technical University of Munich. In this case, the requirements must correspond to those of the master's program in Nutrition and Biomedicine. The Examination Board of the Study Program Division Nutrition, in consultation with the academic advisor for the Master's Program in Nutrition and Biomedicine and the International Affairs Delegate of the Study Program Division Nutrition, are responsible for decisions about the recognition of credits.

Appendix 2: Aptitude Assessment

Academic and Examination Regulations for the Master's Program in Nutrition and Biomedicine at the Technical University of Munich

1. Purpose of the Process

¹Eligibility for the Elite Master's Degree Program in Nutrition and Biomedicine, in addition to the requirements pursuant to § 36 (1) no(s). 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 candidates should correspond to the field of Nutrition Science. ³Individual aptitude parameters are:

- 1.1 ability to do research work and/or basic research and methodological work;
- 1.2 specialist knowledge from a bachelor's degree program in the natural sciences with emphasis on the biosciences,
- 1.3 knowledge of nutritional and biomedical issues,
- 1.4 knowledge of English specialist terminology.

2. Aptitude Assessment Process

- 2.1 Aptitude assessment is conducted annually by the Campus Office of the TUM School of Life Sciences.
- 2.2 Applications for admission to the aptitude assessment process for the winter semester must be submitted to the Technical University of Munich together with the documents listed in 2.3.1. through 2.3.5. and in verification of language skills § 36 Subsection 1 No. 2 no later than 31 May (absolute deadline) using the online application procedure.
- 2.3 The application must include:
- 2.3.1 a transcript of records containing modules amounting to at least of 120 credits; the transcript of records must be issued by the relevant examination authority or academic programs office,
- 2.3.2 curriculum vitae formatted as a table,
- 2.3.3 a curricular analysis based on the transcript of records must be completed as part of the online application process and uploaded with the application materials,
- 2.3.4 An English-language written statement (max. 1- 2 A4 pages) of the reasons for choosing the master's degree program in Nutrition and Biomedicine at the Technical University of Munich in which the candidate explains those specific abilities and interests that make him/her particularly qualified for the program; a candidate's exceptional motivation and commitment is to be demonstrated by providing details on program-related vocational training, internships, stays abroad, or program-related further education beyond the attendance and course requirements of the bachelor's program, if necessary by appropriate documentation.
- 2.3.5 a declaration that both the statement of the reasons for choosing the program and the essay are the candidate's own work, and that the candidate has clearly identified any ideas taken from outside sources;

3. Aptitude Assessment Commission

- 3.1 ¹Aptitude assessment is administered by a commission that, as a rule, consists of the study program director in charge of the master's degree program in Nutrition and Biomedicine, at least two members of the professorial faculty and at least one research associate (*wissenschaftliche*r Mitarbeiter*in*). ²At least half of the commission members must be members of the professorial faculty. 3A representative of the student body will be a part of the commission, in an advisory capacity.
- 3.2 ¹The members of the commission are appointed by the dean in consultation with the study program director. 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 study program director. ⁴Procedural regulations will be in accordance with Art. 41 of the BayHSchG as last amended.

3.3 ¹If the Commission acts in accordance with these regulations, the revocable delegation of certain duties to individual members of the Commission is permissible. ²If, pursuant to the sentence 1, only one member of the Commission acts in the performance of certain duties, he or she must be a member of the professorial staff. ³If, pursuant to the sentence 1, two or more members of the Commission act in the performance of certain duties, at least half of them must be members of the professorial staff. ⁴The Commission is to ensure the proper allocation of duties. ⁵If there is a scoring margin for one of the evaluation criteria of the aptitude assessment and if at least two Commissioners are involved in the evaluation of that criterion, the Commissioners shall make their evaluations independently according to the indicated weighting, unless otherwise specified; the number of points to be awarded shall be the arithmetic mean of the individual evaluations, rounded up to the nearest whole number.

4. Admission to the Aptitude Assessment Process

- 4.1 Admission to the aptitude assessment process requires that all documentation specified in no. 2.3 has been submitted in a timely and complete fashion.
- 4.1 ¹Applicants who have fulfilled the requirements according to no. 4.1 will be assessed according to no. 5.2. Applicants not suited the program will receive a letter of rejection stating the grounds for rejection and informing them of legal remedies.

5. The Aptitude Assessment Process

- 5.1 First stage of the aptitude assessment process
- 5.1.1 ¹The commission will assess, on the basis of the written application documents required under no. 2.3, whether or not an applicant is suitable for a program pursuant to no. 1 (First stage of the aptitude assessment process). ²For this purpose, the commission evaluates and grades the candidate's application documents on a scale ranging from 0 to 60 points, 0 being the worst and 60 the best possible result.

The following criteria will be applied to the evaluation:

a) Discipline-Specific Skills and Qualifications

¹For the purpose of curricular analysis, a schematic comparison of modules, as well as of competencies is conducted. ²The analysis is based on the fundamental subject groups listed in the following table of the bachelor's program in Nutrition Science at the Technical University of Munich.

Subject groups/Modules	Credits TUM	
Physics	7	
Anorganic Chemistry with practical course	10	
Organic and Physical Chemistry with practical course	10	
Biochemistry	8	
Mathematics and Statistics	7	
Cell Biology	3	
Genetics	3	
Microbiology	5	

Human/Animal Physiology	11	
Lab course: (e.g. in Biochemistry, Microbiology, Human/Animal Physiology, Biology, etc.)	8	

³If it is established that there are no significant differences in the competencies acquired (learning outcomes), a maximum of 30 points will be awarded. ⁴If this value is not a whole number, it will be rounded up. ⁵For any competencies missing from the student's undergraduate curriculum, points equivalent to the amount of module credits for the respective competencies in the TUM bachelor's program in Life Sciences Nutrition will be deducted from the overall score. ⁶In the subject areas Organic and Physical Chemistry, Biochemistry, Human/Animal Physiology and Laboratory Practical Courses, modules of at least 5 credits each must be demonstrated, otherwise 0 points will be awarded in the respective area.

b) Final Score

¹The applicant will be awarded one point for each tenth that the average calculated from examinations in the amount of 120 credits is better than 4.0. ²The maximum number of points is 30. ³Negative points will not be awarded. ⁴Grades of international degrees will be converted by the Bavarian formula.

⁵If the candidate has submitted a degree certificate containing more than 120 credits with the application, the assessment will be made on the basis of the best graded modules in the amount of 120 credits. ⁶The applicant needs to submit a list of the results together with the application and confirm their accuracy in writing.

⁷The average is calculated from graded module examinations in the amount of 120 credits. ⁸The overall grade average is calculated as a weighted grade average. ⁹The grade weights of the individual modules correspond to the credits assigned to each module. ¹⁰In the process of determining grades, only the first digit after the decimal point is taken into account. All other digits are dropped without rounding.

- 5.1.2 ¹The points total in the first stage will be calculated as the sum of the individual evaluations. ²Decimal places must be rounded up.
- 5.1.3 Applicants who have achieved at least 50 points will receive confirmation that they have passed the aptitude assessment.
- 5.1.4 Applicants who have achieved less than 40 points fail the aptitude assessment.

5.2 <u>Second Stage:</u>

- 5.2.1 ¹The remaining applicants will be invited for an aptitude assessment interview. ²During the second stage of the aptitude assessment, both skills acquired during the applicant's bachelor's studies and the result of the assessment interview will be assessed. 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 the request is justified and approved by the commission, the assessment interview may be held via video conference. ⁷The applicant bears the risk in the event of any technical problems, unless these are attributable to the Technical University of Munich. ⁸If the applicant is unable to attend an aptitude assessment interview due to reasons beyond his/her control, a later appointment may be scheduled upon a student'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 written statement as described in 2.3.4 will be provided to members of the commission and will serve as the basis

for the discussion. The statement itself will not be evaluated. ⁴The interview will focus on the following topics:

- 1. Laboratory experience: Applicant has acquired laboratory experience relevant to the program and can discuss it competently,
- 2. Career goals: Applicant plans to pursue an occupation in a field of nutrition research and clearly identified the significance of the degree program for attaining this career goal,
- 3. Disciplinary qualification in the life sciences: a solution for an exemplary problem from the field of "Life Science Fundamentals" can be demonstrated,
- 4. Bachelor's thesis: Applicant can competently discuss the theoretical context and the key results of the bachelor's thesis or comparable academic work.

⁴The above topics may cover the documentation submitted pursuant to 2.3. ⁵Any subjectspecific academic knowledge that is to be taught in the master's degree program Nutrition and Biomedicine will not affect the decision. ⁶With the applicant's approval, a representative of the student body may sit in on the interview.

- 5.2.3¹The aptitude assessment interview will be conducted by two members of the commission. ²Commission members shall independently assess each of the four points with equal weighting. ³Each member will assign points for each of the five interview topics 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 mean of the individual evaluations. ⁵Non-vanishing decimal places must be rounded up.
- 5.2. 4 ¹The total number of points awarded in stage 2 is the sum of the points from 5.2.3 and the points from 5.1.1.1 (subject-specific qualification) and 5.1.1.2 (overall grade). ²Applicants with 70 or more points will be deemed suitable. ³Applicants with a total score of less than 70 points have failed the aptitude assessment.

5.3 Notification of Results

Applicants will be informed of the results of the aptitude assessment through official notification. ²If there is no scoring margin in the evaluation of the individual criteria and in the determination of the overall scores of the first and second stages, a resolution by the Commission is not required. ³Applicants not suited for the program will receive a letter of rejection stating the grounds for rejection and informing them of legal remedies.

5.4. Candidate's suitability for the program, once determined in aptitude assessment, shall apply to all subsequent applications for this program.

6. Documentation

¹The aptitude assessment process must be documented, in particular, the the names of participating commission members, the evaluation of the first and second stages, as well as the overall results. ²The assessment interview must be documented, including the date, duration and location of the assessment, the names of participating commission members, the applicant's name, and a list of main topics of discussion in bullet points.

7. Repeat Examinations

Applicants who have failed aptitude assessment may apply once to repeat the aptitude assessment process.