



**Subject-specific study and examination regulations for the English-taught master's programme in Molecular and Translational Neuroscience
offered by Ulm University
of 11 January 2018**

Based on § 32 (3) sentence 1 Federal State Higher Education Act Baden-Württemberg (*Landeshochschulgesetz - LHG*) as amended by article 1 of the third act amending higher education regulations (*Drittes Hochschulrechtsänderungsgesetz – 3. HRÄG*) of 1 April 2014 (law gazette no. 6, p. 99 ff), last amended by article 3 of the federal state act on tuition fees (*Landeshochschulgebührengesetz*) and other acts of 9 May 2017 (law gazette no. 10, p.245 ff), the Senate of Ulm University, on a proposal of the Medical Faculty, adopted the following subject-specific study and examination regulations for the English-taught master's programme in Molecular and Translational Neuroscience in its meeting of 13 December 2017. The President of Ulm University gave his consent on 11 January 2018 in accordance with § 32 (3) sentence 1 of the *LHG*.

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Preliminary Remarks on Language Usage

Under article 3 subsection 2 of the constitution, women and men are treated as equal; all references to person and function in these regulations are equally valid for both men and women.

I. General provisions

§ 1 Scope of application

- (1) These subject-specific study and examination regulations contain specific regulations for the master's programme in Molecular and Translational Neuroscience.
- (2) These subject-specific study and examination regulations supplement the general provisions on study and examination regulations for bachelor's and master's programmes at Ulm University (General Framework). In cases of doubt, the General Framework has precedence.

§ 2 Academic degree, study programme (§ 2 General Framework)

The Medical Faculty of Ulm University offers the consecutive English-taught master's programme in Molecular and Translational Neuroscience leading to the degree of "Master of Science" (short: "MSc").

§ 3 Start of the programme (§ 3 General Framework)

The master's programme in Molecular and Translational Neuroscience begins in the winter semester.

§ 4 Standard period of study, credit points (§ 5 General Framework)

- (1) The standard period of study is four semesters.
- (2) The minimum total number of CP required for a successful completion of the master's programme is 120 CP. A minimum of 90 CP must be done in the compulsory and the compulsory elective area, 25 CP for the master's thesis and 5 CP for the disputation.

§ 5 Deadlines (§ 6 (8) and (9) General Framework)

Students failing to obtain 60 CP by the end of the examination period of the fourth semester lose their right to examination in this study programme unless they are not responsible for exceeding the deadline. Students failing to obtain 120 CP by the end of the examination period of the sixth semester lose their right to examination in this programme unless they are not responsible for exceeding the deadline.

§ 6 Courses and examinations in English or any other foreign language (§ 7 General Framework)

- (1) Courses are taught in English (except language courses). German-taught modules can also be selected as compulsory electives. The module handbook provides further information.
- (2) As a rule, exams are conducted in the course language.

§ 7 Subject examination board (§ 10 General Framework)

- (1) The Faculty Board of the Medical Faculty forms a subject examination board for the master's programme in Molecular and Translational Neuroscience at the proposal of the professor of Molecular and Translational Neuroscience.
- (2) The subject examination board consists of five members. It is composed of three full-time lecturers of Ulm University (professors, junior professors, habilitated members), one member of scientific staff and one student from the programme named in paragraph 1 in an advisory capacity. The term of office of the student member is one year; that of the other members is three years. Re-election is possible.
- (3) The subject examination board takes decisions in cases of doubt covered by neither these subject-specific examination regulations nor the General Framework.

§ 8 Courses, examination achievements, module handbook

- (1) Study objectives and contents are conveyed, in particular, in the following types of courses:
 - lectures
 - classes
 - seminars
 - laboratory courses
 - excursions
- (2) Courses marked as compulsory in §16 require attendance. Students failing to attend, as a rule, 85% of such courses are not entitled to take the corresponding module examinations. Attendance checks are up to the lecturers responsible for the course.
- (3) The master's examination consists of the master's thesis and oral or written module examinations. The current module handbook states which modules can be taken as compulsory electives.
- (4) Within a module, ungraded coursework (Scheine – achievement certificates) from a previous course within the same module may be required, or admission to certain module examinations may be subject to having completed ungraded coursework. Required coursework is specified in the module handbook. Form and volume of the respective coursework are published in good time before the courses begin.
- (5) Admission to a module examination may be subject to taking and passing one or several other specific module examinations or coursework assignments ensuring that subject-specific requirements are fulfilled. Admission can also be subject to other, additional, criteria, in particular in case of limited places in compulsory elective modules. Admission requirements are published in the module handbook.
- (6) The required laboratory courses must be done in different work groups. One or more of the laboratory courses must be done at Ulm University.
- (7) The subject examination board decides on any changes to the implementation of courses and study achievements.
- (8) The examination board can determine a minimum number of 5 participants for compulsory

electives. In case of fewer participants, a compulsory elective course marked as such in §16 can be cancelled.

§ 9 Organisation of module examinations (§ 13 General Framework)

As a rule, written module examinations follow the recommendations of § 13 (1) General Framework. Deviating from the recommendations in § 13 (1) General Framework, written module examinations can be offered throughout the semester and the semester break.

§ 10 Related study programmes (§ 14 General Framework)

Study programmes related to Molecular and Translational Neuroscience according to § 14 (2) General Framework are, in particular, programmes in biology, biochemistry, molecular medicine, pharmaceutical biotechnology, physiological chemistry, neurobiology, biopsychology, human biology and molecular life science.

§ 11 Written module examinations (§ 16 a General Framework)

The duration of written module examinations or study achievements in the form of final exams in courses is between 45 and 180 minutes.

§ 12 Regulations regarding the module master's thesis and disputation (§ 16c General Framework)

- (1) The time from admission to submission of the master's thesis is six months. Periods of extension are regulated in the General Framework. It is not permitted to start work on the master's thesis before registration.
- (2) The master's thesis corresponds to 25 CP. The disputation corresponds to 5 CP.
- (3) As a rule, the master's thesis is written in English; however, it can be written in German with the consent of the supervisor and the subject examination board.
- (4) One reviewer is the supervisor of the master's thesis; the second may not be from the same institute.
- (5) The master's thesis must be registered with the subject examination board and the Studiensekretariat (student administration and examinations office) indicating the supervisors, the topic and a short concept description.
- (6) The master's thesis must be submitted in good time to the Studiensekretariat in two bound copies and one electronic copy (PDF).
- (7) The written part of the master's thesis must be complemented by a public disputation. The disputation is in the presence of the two reviewers of the master's thesis. As a rule, the disputation should not exceed 60 minutes and takes place in English. As part of the disputation, the student presents the master's thesis in a presentation of up to 30 minutes and is interviewed by the reviewers and the audience. The first reviewer is to notify the subject examination board of the date and invite it to the disputation in good time.
- (8) With the prior consent of the subject examination board for Molecular and Translational Neuroscience, the master's thesis can be written at an institute that is not involved in the master's programme. At least one reviewer of the master's thesis must belong to an institute involved in the master's programme. The internal reviewer must co-supervise the thesis and share

the responsibility. The application for admission to an external master's thesis must be submitted to the subject examination board before starting the thesis. The application comprises a half-page summary of the master's thesis, CV and list of publications of the external reviewer as well as written confirmation of supervision by the external and University-internal reviewers. Admission to the master's thesis is granted by the subject examination board.

§ 13 Evaluation of module examinations

- (1) Each module concludes with a module examination or several module part examinations.
- (2) In cases justified by their subject-matter, the written exam or parts thereof may also be done by way of multiple choice. The module examination is then passed if the student achieved a minimum of 60 % of the total number of points or if the number of points achieved by the student falls less than 20 % short of the examination average of all examinees in this examination and the candidate achieved a minimum of 50 % of the total number of points.
- (3) The graded module (part) examinations of all modules listed in § 16 and the master's thesis count towards the overall grade of the master's programme.

§ 14 Repetition of module examinations (§ 20 General Framework)

- (1) Module examinations in the master's programme in Molecular and Translational Neuroscience can be repeated twice. As a rule, the examination dates are announced at the beginning of the courses of the respective semester or at the beginning of the module.
- (2) A disputation graded as "not sufficient" (5.0) may be repeated once, at the latest 3 months after the failed attempt. If this deadline is not met, students lose their right to examination unless they are not responsible for exceeding the deadline.

II. Master's programme in Molecular and Translational Neuroscience

§ 15 Programme objectives

The programme aims to provide a qualified, research-based education in clinically- and therapeutically-oriented neurosciences. Specific theoretical, methodological and practical knowledge of cellular and molecular processes in nerve cells and nervous systems which may lead to diseases and the application of this knowledge to possible new diagnostic and therapeutic procedures and clinical applications are conveyed. In addition to foundation lectures, students can, right from the first semester, select subjects providing more in-depth knowledge in such fields or in the field of medical application. The second semester offers a broad scope of choices ranging from a specialisation on translational aspects towards clinical and pharmaceutical applications to aspects of animal experimental research and application. In the third semester, all these aspects cumulate in the module "Advanced Molecular and Translational Neuroscience" and finally, together with two laboratory courses, lead to the master's thesis, which can be done in clinical, preclinical, biological and external institutes and facilities.

§ 16 Study contents

- (1) The master's programme requires the following compulsory and compulsory elective modules:

Sem.	No.		CP	Status
1	1	Introduction to MTN	18	C
	1a	<i>Introduction to Human Neurophysiology</i>	3	C
	1b	<i>Molecular and Translational Neuroscience</i>	3	C
	1c	<i>Introduction to Human Neuroanatomy</i>	3	C
	1d	Practical Training in Laboratory Methods	9	C
1	2	Compulsory elective courses to Introduction in MTN	12	CE
2	3	Compulsory elective courses for Advanced MTN	24	CE
2	4	From Basic Research to Product	6	C
	4a	<i>From Basic Research to Product Lectures</i>	3	C
	4b	<i>From Basic Research to Product Seminar</i>	3	C
				C
3	5	Advanced Molecular and Translational Neuroscience	15	C
	5a	<i>Molecular and Translational Neuroscience Advanced Lecture</i>	3	C
	5b	<i>Molecular and Translational Neuroscience Advanced Seminar</i>	2	C
	5c	<i>Molecular and Translational Neuroscience Advanced Practical tr.</i>	10	C
3	6	Neurological Psychiatric Diseases	5	C
	6a	<i>Psychopharmacology</i>	2	C
	6b	<i>Neurological Diseases</i>	3	C
3	7	Advanced Methods in Molecular and Translational Neuroscience	10	C
	7a	<i>Advanced Methods in Molecular and Translational Neuroscience</i>	10	C
4	8	Master's thesis and disputation	30	C

C = compulsory, CE = compulsory elective

- (2) A minimum of 12 CP is required in the compulsory elective area "Compulsory elective courses to Introduction in MTN". A minimum of 24 CP is required in the compulsory elective area "Compulsory elective courses for Advanced MTN".
- (3) The subject examination board specifies which courses according to paragraph 2 can be selected as compulsory elective modules. These courses are taken up in the module hand-book in good time.

§ 17 Subject-specific requirements for admission to the master's thesis

Admission to the master's thesis is subject to having earned a minimum total of 84 CP .

III. Final provisions

§ 18 Effective date

- (1) These study and examination regulations come into effect on the day of their publication in the Official Bulletin of Ulm University. The subject-specific study and examination regulations

for the English-taught master's programme in Molecular and Translational Neuroscience offered by Ulm University of 7 December 2015, published in the Official Bulletin of Ulm University No. 34 of 10 December 2015, pages 404-419 cease to be effective.

- (2) Paragraph 1 sentence 2 does not apply to students who, in the winter semester 2017/18, were enrolled in a higher semester than the first semester in the English-taught programme in Molecular and Translational Neuroscience and to whom the subject-specific study and examination regulations for the English-taught master's programme in Molecular and Translational Neuroscience of Ulm University of 7 December 2015 applied at the time of taking effect. Such students finish their studies in accordance with the previous study and examination regulations except paragraph 3 below.
- (3) The provisions in §§ 12, 14 (2) and 16 no. 8 apply to all students not yet admitted to the master's thesis.

Ulm, 11 January 2018

signed

Prof. Dr.-Ing. Michael Weber
-President-

Courtesy translation