Subject-specific study and examination regulations for the English-language master’s programme in Molecular and Translational Neuroscience offered by Ulm University of 07 December 2015

Based on § 32 (3) of the Federal State Higher Education Act Baden-Württemberg (LHG) in the version of Article 1 of the third law on changes to higher education regulations (Drittes Hochschulrechtsänderungsgesetz) of 1 April 2014 (law gazette p 99 ff), the Senate of Ulm University, in its meeting on 11 November 2015, adopted the following subject-specific study and examination regulations for the English-language master’s programme in Molecular and Translational Neuroscience. The President of Ulm University approved these on 07 December 2015 according to § 32 (3) sentence 1 LHG.

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According to article 3 (2) Basic Law, men and women have equal rights; male designations of persons and positions used in these regulations apply equally to 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) The subject-specific study and examination regulations supplement the General Provisions for Study and Examination Regulations regarding Bachelor’s and Master’s Programmes at Ulm University (Framework Regulations). In case of doubt, the Framework Regulations have priority.

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

The Faculty of Natural Sciences of Ulm University offers the consecutive English-language master’s programme in Molecular and Translational Neuroscience leading to the degree of “Master of Science” (short: “MSc”).

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

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

§ 4 Standard period of study (§ 5 Framework Regulations)

The standard period of study is two years.

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

Students failing to obtain 60 credit points 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 credit points 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 Framework Regulations)

(1) Courses are taught in English (except language courses). German subjects can be selected as compulsory electives. The module handbook provides further information.

(2) As a rule, exams are taken in the language of instruction of the course.
§ 7 Work experience (§ 8 Framework Regulations)

It is recommended that students do eight weeks or not less than 12 credit hours of work experience as part of their master’s programme. This work experience can be done at any private and public institution in Germany and abroad that is suited to provide insight into professional activities related to the student’s chosen study programme. Work as tutors/research assistants with a minimum of 12 credit hours or participation in clinical studies to the same extent may also be recognized as work experience. At the request of the student, a related professional training or activities pursued before taking up the study programme can also be recognized as work experience by the subject examination board. At the request of the student, the work experience is taken up in the examination certificate.

§ 8 Subject examination board (§ 10 Framework Regulations)

(1) The Faculty Board (Deanery) of the Faculty of Natural Sciences forms, at the proposal of the board of the Neurocenter of Ulm University, a subject-specific board of examiners for the master’s programme in Molecular and Translational Neuroscience.

(2) The subject-specific board of examiners has five members. It is composed of three full-time lecturers of Ulm University (professors, junior professors, members with venia legendi) - one minimum must be from each the Medical Faculty and the Faculty of Natural Sciences, one member of scientific staff and one student in an advisory capacity. The term of office of the student member is one year; that of the other members is three years.

(3) The subject examination board takes the decision in cases of doubt covered by neither these regulations nor the Framework Regulations.

§ 9 Courses, examinations, module handbook

(1) Study objectives and contents are conveyed, in particular, in the following types of courses:
- lectures
- classes
- seminars
- laboratory courses
- excursions

(2) Attendance in classes, seminars, laboratory courses and excursions is compulsory. Students failing to attend 85% of such courses are not entitled to taking 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) may be required from a previous course within the same module, or admission to certain module examinations may be subject to having completed ungraded coursework. Required coursework is described in the module handbook. Form and scope of the respective coursework are published in the module handbook in good time before the start of the course.

(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.

§ 10 Organisation of module examinations (§ 13 Framework Regulations)
As a rule, written module examinations follow the recommendations of § 13 (1) Framework Regulations.

§ 11 Related study programmes (§ 14 Framework Regulations)
Study programmes related to Molecular and Translational Neuroscience according to § 14 (2) Framework Regulations are, in particular, biology, biochemistry, molecular medicine, pharmaceutical biotechnology, physiological chemistry, neurobiology and biopsychology.

§ 12 Written module examinations (§ 16 a Framework Regulations)
The duration of written module examinations or final exams of courses is between 45 and 180 minutes.

§ 13 Regulations regarding the module master’s thesis (§ 16c Framework Regulations)
(1) The period from the admission of the master’s thesis to its submission is six months. Periods of extension are regulated in the Framework Regulations.

(2) The master’s thesis corresponds to 30 credit points.

(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.

(4) The master’s thesis must be submitted to the Studiensekretariat (student administration and examinations office) in time in two bound copies and one electronic copy (PDF).

(5) 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. The first examiner of the master’s thesis must belong to an institute involved in the master’s programme.
§ 14 Assessment of module examinations
(1) All modules conclude 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 § 17 and the master’s thesis count towards the overall grade of the master’s programme.

§ 15 Repetition of module examinations (§ 20 Framework Regulations)
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.

II. Master’s programme in Molecular and Translational Neuroscience

§ 16 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 lead to the master’s thesis, which can be done in clinical, preclinical, biological and external institutes and facilities.
§ 17 Study contents

The master’s programme requires the following compulsory and compulsory elective modules:

<table>
<thead>
<tr>
<th>No</th>
<th>Module</th>
<th>CP</th>
<th>Status</th>
<th>Type</th>
<th>Semester</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to Molecular and Translational Neuroscience</td>
<td>9</td>
<td>P</td>
<td>MTP s</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Alternatively, module no 2 or modules 3 and 4</td>
<td></td>
<td></td>
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<tr>
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<td>Advanced Neurobiology</td>
<td>21</td>
<td>WP</td>
<td>MP s</td>
<td>1</td>
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<tr>
<td>3</td>
<td>Medical Neuroscience</td>
<td>15</td>
<td>WP</td>
<td>MP s/m</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>European Patent Law and Medical Products</td>
<td>6</td>
<td>WP</td>
<td>MTP s/m</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Lectures to be selected from protein biochemistry, psychology, patent law, pharmacology, toxicology or imaging</td>
<td>9</td>
<td>P</td>
<td>MTP s/m</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Alternatively, module no 6 or modules 7, 8 and 9</td>
<td></td>
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<tr>
<td>6</td>
<td>Behavioural Physiology</td>
<td>21</td>
<td>WP</td>
<td>MP s</td>
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<tr>
<td>7</td>
<td>From Basic Research to Product</td>
<td>6</td>
<td>WP</td>
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<td>2</td>
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<td>8</td>
<td>Clinical Trials</td>
<td>9</td>
<td>WP</td>
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<tr>
<td>9</td>
<td>Neurological/Psychiatric Diseases II</td>
<td>6</td>
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<tr>
<td>10</td>
<td>Advanced Molecular and Translational Neuroscience</td>
<td>20</td>
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<td>MP s/m</td>
<td>3</td>
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<tr>
<td>11</td>
<td>Advanced Methods in Molecular and Translational Neuroscience</td>
<td>10</td>
<td>P</td>
<td>LN</td>
<td>3</td>
</tr>
<tr>
<td>12</td>
<td>Master’s thesis</td>
<td>30</td>
<td>P</td>
<td>MP s</td>
<td>4</td>
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</tbody>
</table>

P = compulsory, WP = compulsory elective, MP = module examination, MTP = module part examination, s = written, m = oral

§ 18 Subject-specific requirements of the master's thesis

Admission to the master’s thesis is subject to having passed the module “Advanced Methods in Molecular and Translational Neuroscience” and having obtained a total minimum of 60 credit points.
III. Final provisions

§ 19 Effective date

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 23 June 2015, published in the Official Bulletin of Ulm University No. 17 of 29 June 2015, pages 131-137 cease to be effective.

Ulm, 07 December 2015

signed
Professor Dr. Michael Weber
- President -