

**Study and examination regulations
for the Master's degree programme in Wood Technology
at Bern University of Applied Sciences and
Rosenheim University of Applied Sciences**

of 1 August 2008

in the version incorporating the amendments of **19 August 2010**, **9 June 2011**, **3 May 2012**,
3 August 2012, **11 June 2013**, **14 August 2015** and **22 February 2016**

In accordance with Article 57 (1) Sentence 1, Article 58, Article 43 (5), Article 61 (8) Sentence 2 and Article 66 (1) Sentence 3 of the Bavarian Higher Education Act (BayHSchG), Rosenheim University of Applied Sciences issues the following rules:

**Section 1
Purpose of the study and examination regulations**

These study and examination regulations serve as a supplement to the current versions of the Basic Examination Regulations for Universities of Applied Sciences in Bavaria (*Rahmenprüfungsordnung für die Fachhochschulen in Bayern – RaPO*) of 17 October 2001 and the General Examination Regulations of Rosenheim University of Applied Sciences (*Allgemeine Prüfungsordnung der Hochschule Rosenheim - APO*) of **24 January 2011**.

**Section 2
Study objectives**

(1) The Master's Degree Programme in Wood Technology is devised as an application-focused, consecutive course. It aims to provide students with advanced and specialist knowledge of wood technology and related areas with a scientific foundation.

(2) The objective of the Master's degree programme is to enable specially qualified students, with a completed Bachelor's or Diplom degree, the opportunity to enhance their qualifications, through advanced mathematical and scientific principles and a broadening of their specialist training, in line with international standards. **The international focus of the course is demonstrated by the fact that its lectures are offered in English throughout.**

(3) Through lectures from various areas of specialisation in the timber industry, and by focusing on the common principles of analysis, modelling, simulation and synthesis, skills in dealing with complex, **unstructured** tasks and in working with systems are to be developed. Awareness for the interdependence of the parts of a networked system should be enhanced. **Practical relevance is ensured not only through the laboratory work, but also by preparing a comprehensive, scientific thesis over a period of nine months.**

(4) In addition to the specialist knowledge gained, the degree programme should further develop broader qualifications such as social competence and communication skills, and thus also the ability to work successfully in **international groups** or to lead a working group.

(5) The course prepares students both for demanding professional fields **in internationally operating commercial** enterprises, in the public sector and in self-employed activities, as well as for further scientific qualifications, such as a subsequent doctoral degree procedure.

Section 3

Admission requirements

(1) Admission to the Master's degree programme requires a Bachelor's degree in Wood Technology, Timber Construction and Redevelopment, Interior Engineering or a related field, or an equivalent qualification gained in Germany or abroad. Furthermore, the personal motivation for studying should be explained in a motivational letter.

(2) If the degree held in terms of paragraph 1 above does not incorporate the full spectrum of knowledge required, additional studies are specified based on the subject curriculum, in accordance with paragraph 1, by the head of the programme. ECTS credits cannot be gained for these additional studies.

(3) Other requirements for admission to studies are English language skills.

The following apply as proof of required English language skills:

1. TOEFL with 500 or more points.
2. CBTOEFL with 213 or more points.
3. Internet-based TOEFL with 84 or more points
4. IELTS with a band score of 6.0 or higher.
5. Cambridge ESOL CPE at Grade C or higher.
6. Cambridge ESOL CAE at Grade C/B or higher.
7. Unicert Level 3.
8. A grade of at least "good" in "Technical English" or a comparable English subject from a previous degree.
9. Medium of instruction certificate "English" for the previous academic degree.

Native English speakers are not required to submit proof of adequate English language skills. In cases of doubt or non-submission of proof, applicants may be required additionally/alternatively to pass a language test comparable to those listed above at Rosenheim University of Applied Sciences.

Applicants who are admitted in terms of Section 3 (3) No. 8 must provide proof of their English language skills - according to the requirements of Section 3 (3) No. 1-7 - by the end of the degree programme, at the latest. Where applicable, the qualification might be obtained by participating in relevant courses at the university. However, ECTS credits cannot be gained for these additional studies.

(4) The Examination Committee shall decide on the equivalence and relevance of qualifications required for admission and the fulfilment of other admission requirements, in coordination with the head of the programme.

(5) If applicants submit proof of a qualification entitling them to admission, for which less than 210 ECTS credit points, but at least 180 ECTS credit points or a recognised equivalent qualification have been awarded, then a prerequisite for passing the Master's examination is proof of achieving the lacking ECTS credits from relevant undergraduate courses at Rosenheim University of Applied Sciences and Bern University of Applied Sciences, or by completing a practical semester. The Examination Committee, in consultation with the head of the programme, determines which courses and examinations must be completed in this regard.

Section 4

Course structure

(1) The standard period of study for the full-time Master's degree programme is 3 semesters.

(2) The standard period of study for the part-time Master's degree programme is 6 semesters.

(3) The degree programme includes a Master's thesis to be completed in the final semester.

(4) The degree programme is jointly offered by the partner universities in accordance with the relevant cooperation agreement and study plan. The study and examination regulations of the university where the students have enrolled are applicable; in examination matters, the regulations of the university where the examination is taken are applicable.

(5) If there are not enough participants, there is no right to insist that the Master's degree programme is carried out.

Section 5

Modules and examinations

(1) The modules, their number of hours, credit points, type of lecture as well as type, scope and grading of examinations are set out in the Appendix to these rules. The regulations defined in these rules are supplemented by the study plan.

(2) All modules are either required modules, specialist advanced modules (MF), required elective modules (MW) or elective modules:

1. Required modules are those modules of the degree programme which must be completed by all students.
2. Specialist advanced modules and required elective modules are modules offered, from which each student must complete a specific selection in accordance with the provisions of these study and examination regulations. The MF and MW are defined in the study plan. The modules selected are treated as required modules.
3. Elective modules are not mandatory for achieving the study goals. They can be selected additionally by students from the whole range of courses offered by Rosenheim University of Applied Sciences and Bern University of Applied Sciences.

(3) In specialist advanced modules and required elective modules, the contents can also be presented as module work instead of a lecture. Module work is a written examination in the form of a piece of coursework, where students independently tackle specified contents. Further details are contained in the study plan.

Section 6

Study plan

(1) The heads of the programmes produce a study plan detailing the course structure for the students' information and to ensure compliance with the curriculum. It is approved by the Faculty Council and is published within the university. New regulations must be published at the latest at the start of the semester in which the regulations come into force for the first time. In particular, the study plan includes regulations and information on:

1. Objectives, content, hours per week per semester, credit points and types of lecture used in individual modules, if this is not regulated conclusively in these rules, and, in particular, a list of current advanced modules and required elective modules including conditions and restrictions regarding student numbers.
2. Allocation of the modules to advanced subjects.
3. More detailed conditions relating to examinations, certificates of attendance and admission requirements.
4. The language of instruction and examination of the individual modules.
5. The location of the courses/lectures.

(2) No assertion is made that all advanced subjects, required elective modules and elective modules shall actually be available. Equally, no assertion is made that associated lectures shall be conducted if there are insufficient attendees.

Section 7

Academic Advising

If a student does not obtain at least 30 credit points after two semesters (full-time study) / four semesters (part-time study) they are required to seek assistance from Academic Advising by order of the Examination Committee.

Section 8

Master's thesis

(1) In the Master's thesis, the students should demonstrate their ability to apply the knowledge acquired during their studies in an independently-produced, application-orientated scientific thesis tackling complex issues.

(2) The topic of the Master's thesis should be chosen in accordance with the area of specialisation. The Master's thesis topic can only be issued once the student has completed at least 30 ECTS credits in the Master's degree programme, at the earliest. The date of issue of the topic is also taken as the thesis registration date by the Examinations Office.

(3) Full-time students have 9 months to complete the Master's thesis.

(4) Part-time students have 12 months to complete the Master's thesis.

(5) The Examination Committee may, on request, grant a reasonable extension period, if the thesis completion deadline cannot be met due to illness, or other reasons beyond the student's control. The thesis must be submitted to the Examinations Office on time in three bound copies.

(6) The Master's thesis is assessed and graded by two examiners. The first examiner should be a full-time professor at Rosenheim University of Applied Sciences. The second examiner can be anyone at Rosenheim University of Applied Sciences or Bern University of Applied Sciences who meets the criteria for university examiners specified in the BayHSchG.

(7) The Master's thesis may be written in German or English. In consultation with the examiners, a different language can also be agreed upon. A summary in English must always be included.

Section 9

Examination Committee

(1) A joint Examination Committee exists for all courses offered by the Faculty of Wood Technology and Construction. The Examination Committee consists of four professors from the Faculty of Wood Technology and Construction. The chairperson and deputy of the Examination Committee are chosen from this group.

(2) The Examination Committees of the partner universities recognise each other's decisions.

Section 10

Advisor

(1) Students who wish to swap modules for those offered in other Master's degree programmes at Rosenheim University of Applied Sciences, Bern University of Applied Sciences or other colleges or universities (cf. Section 5) will be supervised by an advisor, chosen from the lecturers or research assistants of the participating universities. The students choose their advisor in consultation with the head of the programme.

(2) The advisor advises the student regarding allocation of the modules in particular, as well as on general academic matters. They are also usually responsible for supervising the Master's thesis.

Section 11

Overall examination grade and certificate

(1) The overall examination grade is the arithmetic average of individual module grades weighted with credit points, rounded off to one decimal point.

(2) A certificate and a diploma supplement shall be issued for the passed Master's examination in accordance with the relevant templates provided in the Appendix to the General Examination Regulations of Rosenheim University of Applied Sciences (*Allgemeine Prüfungsordnung der Hochschule Rosenheim - APO*).

(3) In addition to the individual final grades, the certificate also reflects the corresponding ECTS credit points.

Section 12

Academic title

(1) On passing the Master's examination, the student shall be awarded the academic title of "Master of Science", in short: "M.Sc.", by both universities together.

(2) The academic title shall be awarded together with a certificate set out according to the template provided in the Appendix.

Section 13

Effective date, transitional regulations

(1) These study and examination regulations come into force on 1 October 2016.

(2) The heads of the programmes can establish general regulations or regulations specific to an individual case for the degree programme; the relevant Examination Committee can establish special regulations for examinations, insofar as this seems necessary in order to prevent hardship.

Note:

The provisions shown in red contained in the 1st amendment come into effect as of 1 October 2010.

The provisions shown in green contained in the 2nd amendment come into effect as of 1 October 2011.

These apply to students who started their course in the 11/12 winter semester.

The provisions shown in blue contained in the 3rd amendment come into effect as of 1 October 2012.

These apply to students who started their course in the 12/13 winter semester.

The provisions shown in dark red contained in the 4th amendment come into effect as of 1 October 2012.

These apply to students who started their course in the 12/13 winter semester.

The provisions shown in purple contained in the 5th amendment come into effect as of 1 October 2013.

These apply to students who started their course in the 13/14 winter semester.

The provisions shown in turquoise contained in the 6th amendment come into effect as of 1 October 2015. These apply to students who started their course in the 15/16 winter semester.

The provisions shown in orange contained in the 6th amendment come into effect as of 1 October 2016. These apply to students who started their course in the 16/17 winter semester.

Produced on the basis of the resolution by the Senate of Rosenheim University of Applied Sciences of 25 June 2008 and the approval of the President of Rosenheim University of Applied Sciences.

Rosenheim, 1 August 2008

Prof. Dr.-Ing. Alfred Leidig
President

These rules were laid down on 1 August 2008 at Rosenheim University of Applied Sciences. This was published within the university on 1 August 2008. The publication date is therefore 1 August 2008.

Appendix 1 to the study and examination regulations for the joint Master's degree programme in Wood Technology

Table 1 Overview of modules and examinations

| Sem | Modulgruppe 3) | Modul Nr. | Modulbezeichnung | SWS | Leistungs- punkte CP | Art der Lehrver- anstaltung 1) | Prüfungen 1) 2) | | Ergänzende Regelungen 1) |
|-------------|---|--------------|---|-----|----------------------------|---|-------------------------------|----|--------------------------------|
| | | | | | | | Art u. Dauer in Minuten | ZV | |
| 1. Semester | Mathematics & Sciences (15 CP) | MG 01 | Advanced Mathematics, Statistics & DoE | 4 | 5 | SU, Ü Pr, S | SchrP 90- 180 | - | 7) |
| | | MG 02 | Automation in Wood Technology | 4 | 5 | SU, Ü Pr, S | SchrP 90- 180 | - | |
| | | MG 03 | Advanced Technical Mechanics | 4 | 5 | SU, Ü Pr, S | SchrP 90- 180, StA | | SchrP = 0,7 StA = 0,3 |
| | Skills for Manage- ment (7 CP) | MG 04 | Personality Development & Leadership | | | SU, Ü Pr, S | | | |
| | | MG 04.1 | Personality Development | 3 | 3 | SU, Ü Pr, S | TN | | |
| | | MG 04.2 | Leadership | 4 | 4 | SU, Ü Pr, S | SchrP 90- 180, StA | | SchrP = 1,0 |
| | Legal & Economical Aspects (8CP) | MG 05 | Laws | 4 | 4 | SU, Ü Pr, S | SchrP | - | 6) |
| | | MG 06 | Investment, Financing | 4 | 4 | SU, Ü Pr, S | SchrP | | |
| 2. Semester | Fachwissen- schaftliche Vertiefung (20 CP) | MF | Technical compulsory module choice, 5) | | 20 | SU, Ü Pr, S | SchrP, PStA, mdlP | - | |
| | Allgemeine Wahlpflicht module (10 CP) | MW | General compulsory module choice | | 10 | SU, Ü Pr, S | SchrP, PStA, mdlP | - | |
| 3. Sem | Masterarbeit (30 CP) | MA | Master`s Thesis | 1 | 30 | SU, Ü Pr, S | MA, mdlP 45min | | |
| | Summe 90 CP | | | | | | | | |

1) Further details are regulated by the heads of the programmes pursuant to Section 6 in the study plan.

2) A minimum grade of "sufficient" for all significant examinations is required to successfully complete the programme.

3) Sum of the ECTS credits to be selected by the student from this module offering.

2. Explanation of abbreviations

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| | | |
|-------|---|-----------------------------|
| CP | = | ECTS credit points |
| MA | = | Master's thesis |
| mdIP | = | oral examination |
| PStA | = | coursework |
| S | = | seminar |
| schrP | = | written examination |
| SU | = | seminar-based lectures |
| SWS | = | hours per week per semester |
| TN | = | proof of participation |
| Ü | = | practical exercise |
| ZV | = | admission requirements |

Appendix 2 (Master's certificate)



Berner Fachhochschule

Hochschule Rosenheim
University of Applied Sciences



Master Diploma / Masterurkunde

Bern University of Applied Sciences and Rosenheim University of Applied Sciences by virtue of the power vested in them hereby confer upon

Die Berner Fachhochschule und die Hochschule für Angewandte Wissenschaften Fachhochschule Rosenheim verleihen

First name, surname

born on / geboren am in

based upon successful completion of all requirements of the programme in Wood Technology, the degree of
auf Grund der im Studiengang Holztechnik erfolgreich abgelegten Masterprüfung den akademischen Grad

Master of Science (M.Sc.)

Bern University of Applied Sciences

Rosenheim University of Applied Sciences

Rector
Dr. Rudolf Gerber

President
Prof. Heinrich Köster

Director of the Departement
Architecture, Wood and Civil Engineering
Heinz Müller

Dean of the Faculty
Wood Technology and Civil Engineering
Prof. Klaus Galiläa

Siegel

Siegel

Bern, 11. April 2013

Rosenheim, 11. April 2013

The academic title is awarded according to the Study and Examination Regulations of the Rosenheim University of Applied Sciences and Bern University of Applied Sciences. According to Swiss law this diploma authorizes to bear the title «Master of Science Bern University of Applied Sciences/ Rosenheim University of Applied Sciences in Wood Technology». Der akademische Grad wird gemäss der Studien- und Prüfungsordnung der Hochschule Rosenheim und dem Studien- und Prüfungsreglement der Berner Fachhochschule verliehen. Dieses Diplom berechtigt, den nach schweizerischem Recht geschützten Titel «Master of Science Berner Fachhochschule/Hochschule Rosenheim in Holztechnik» zu tragen.