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**Study and examination
regulations
for the postgraduate master course Paper Technology at the
University of Applied Sciences
from 30.11.2022**

Based on Art. 9 Sentence 1, Art. 80 Para. 1, Art. 84 Paras. 2 and 3, Art. 90 Paras. 1 and 2 and Art. 96 para. 1 of the Bavarian University Innovation Act (BayHIG) of August 5, 2022 (GVBl. p. 414, BayRS 2210-1-3-WK), the Munich University of Applied Sciences enacts the following statutes:

**§ 1
Study Goal**

The aim of the Master's degree program is to enable students to independently and in-depth apply and independently develop scientific knowledge and processes in the professional field of paper technology.

**§ 2
Qualification for the study**

(1) ¹Qualification requirements for admission to the advanced master's degree program Paper Technology (Continuing Education) are:

1. ¹Evidence of at least 180 credit points and at least six semesters of theoretical study, completed with an overall examination result of "good" or better, and qualifying for a profession in science or engineering (for Bachelor's degree programs with the academic degree of Bachelor of Engineering or Bachelor of Science) at a German university.

or an equivalent degree. ²Applicants who have completed their first degree in accordance with sentence 1 with an overall examination result of 2.6 to 3.0 must prove their professional suitability within the framework of an aptitude test in accordance with paragraph 2.

2. Proof of a master's degree in science or engineering (with the academic degree of Master of Engineering or Master of Science) from a German university or equivalent with an overall examination result of "good" or better and at least 180 credit points from the undergraduate degree.
3. Proof of at least one year of relevant, qualified work experience after completion of the degree program mentioned in No. 1 or No. 2 or the equivalent degree mentioned there.
4. Evidence of a good command of written and spoken English. This proof can be provided by:
 - a) TOEFL test (Test of English as a Foreign Language) with above-average score (according to current Internet-based test: at least 80 points),
 - b) IELTS (International English Language Testing System) test with at least a6.0 average,
 - c) Foreign language certificate UNICert® II or III English or DAAD table and DAAD test of HM with result/equivalent to min. B2,
 - d) Bachelor's or Master's degree completely in English or
 - e) One-year qualifying study abroad experience in an English-speaking country.

The language certificate required according to sentences a) to c) must not be older than two years. The proof of language proficiency can be submitted until the end of the 1st semester. In cases of doubt, the examination board will decide.

The board of examiners shall decide on the equivalence of university degrees or equivalent degrees according to Paragraph 1 No. 1, of language skills according to Paragraph 1 No. 3, and in cases of doubt concerning Paragraphs 1 to 3, taking into account Art. 86 Paragraph 1 BayHIG. ³The equivalence of a degree is to be assumed if no significant differences in the acquired knowledge, skills and competences are established and justified.

- (2) ¹The aptitude test according to § 3 para. 1 sentence 1 no. 1 sentence 2 is carried out on the basis of the application in due form and time, the application documents submitted and a 20-40 minute interview to which the applicant is invited (admission interview). ²The subjects of the interview are knowledge of chemistry, mathematics and physics, as well as adequate English language skills. ³The applicant must demonstrate the ability to carry out interdisciplinary scientific work and to contribute to the decision-making process at the interview.

Example of structured, systematic approaches to solving technical problems.

- (3) ¹The aptitude test is carried out by two professors and/or research assistants or lecturers of the Faculty of Technical Systems, Processes and Communication, who are appointed by the Examination Board and at least one of whom has teaching responsibilities in the Master's program. ²The aptitude test is passed if both examiners unanimously agree on the grade "successfully passed".
- (4) ¹A transcript of the aptitude test must be prepared, showing the date and place of the interview, its topics, the names of the candidate, the examiners and the result. ²The minutes must be signed by the examiners.
- (5) As a rule, applicants are notified of the results of the aptitude test at least one month before the start of their studies.
- (6) ¹In case of rejection, the application is possible for another date. ²A third application is excluded.
- (7) There is no entitlement to the Master's program being carried out if there is an insufficient number of applicants.

§ 3

Start and structure of the study program and standard period of study

- (1) ¹Admission to the Master's program is possible both in the winter semester and in the summer semester of an academic year. ²Applications must be submitted electronically from May 2 to June 15 of the year in which the program begins in the winter semester and from June 15 of the year in which the program begins. The application must be submitted to the Enrollment Office of the Munich University of Applied Sciences by November 15 to January 15 for the start of studies in the summer semester, together with the required documents.
- (2) ¹The study program can be completed as a full-time study program or as a part-time study program. ²The applicant must decide at the time of registration whether he/she wishes to study full-time or part-time. ³The standard period of study for full-time studies is four theoretical semesters, including the Master's thesis. ⁴The standard period of study for part-time studies is eight theoretical semesters including the Master's thesis. ⁵Details are regulated by the study plan.
- (3) In part-time studies, a maximum of 20 credit points may be earned per semester.

§ 4

Catching up on credit points

¹If applicants can prove that they have completed a university degree for which less than 210 credit points (but at least 180 credit points) have been awarded, the prerequisite for passing the Master's examination is proof of the missing credit points from the relevant undergraduate program offered by the Munich University of Applied Sciences.

²The examination board determines which knowledge, skills and competences (learning outcomes) the student has not acquired in his/her completed first degree program in comparison to a university degree program comprising 210 credit points, and from this determines the modules and examinations that the student still has to make up and take.

³These studies and examinations must be successfully completed within 12 months of commencing the Master's program, with a maximum of one retake per examination. ⁴The modules and examinations determined by the examination board will be announced to the student within the first four weeks after enrollment.

⁵Students are enrolled in the advanced master's degree program in Paper Technology to complete the remaining credit points.

§ 5

Examination board

- (1) An examination board consisting of three professors from the Faculty of Technical Systems, Processes and Communication is formed for the postgraduate master's program in Paper Technology.
- (2) ¹The Faculty Council elects the chairperson of the Examination Commission and his/her deputy. ²The Examination Commission may delegate examination and decision-making powers to its chairperson in accordance with these statutes.

§ 6

Master thesis

- (1) ¹The topic of the master's thesis is issued at the earliest at the beginning of the third semester and at the latest at the beginning of the fourth semester in the case of full-time studies. ²In the case of part-time study, the topic of the master's thesis is issued at the earliest at the beginning of the sixth semester and at the latest at the beginning of the eighth semester. ³The issue of the topic requires that the final grade "sufficient" or better has been achieved in at least 12 of the modules listed in the appendix in lines 1 - 20. ⁴The processing time is a maximum of six months.
- (2) ¹Paragraph 1, sentence 4 applies to the repetition of a failed Master's thesis with a new topic. ²The new topic must be assigned no later than one month after notification of the result of the failed Master's thesis.

§ 7

Evaluation of examination performance and overall examination result

- (1) ¹For the calculation of the overall examination result, the final grades of all modules and the grade of the master thesis are weighted according to their respective credit points.
²The awarding of the grade "passed with success" (m.E.a.) of the examination performance
"Presentation" in Module 21 is a prerequisite for passing the Master's examination.
- (2) The final grade of the module "Electives" is calculated by weighting the examination results per elective in the ratio 0.25 : 0.25 : 0.25 : 0.25.
- (3) The examination results achieved according to the decision of the Examination Committee pursuant to § 4 are listed in the Master's examination certificate, but are not included in the calculation of the overall examination result.

§ 8

Academic degree

- (1) ¹On the basis of the successful completion of the master's examination, the academic degree of "Master of Engineering", in short form: "M.Eng. awarded.

§ 9

Entry into force

¹These study and examination regulations come into force on March 15, 2023. It applies to students who begin their studies in the postgraduate master's program in Paper Technology after the summer semester of 2023.

Attachment:**Overview of modules and examinations in the postgraduate master's program Paper Technology at the University of Applied Sciences Munich**

No.	Modules	SWS	Performance points	Teaching event art	Form of examination	Admission requirements
A 1	Paper Technology Fundamentals	4	5	SU, Ü, Pra	ModA	
A 2	Stock Preparation	4	5	SU, Ü, Pra	ModA	
A 3	Paper Physics	4	5	SU, Ü, Pra	ModA	
A 4	Biofibers	4	5	SU, Ü, Pra	ModA	
A 5	Practical Research Training	4	5	SU, Ü, Pra	ModA	
B 1	Chemical Engineering	3	4	SU, Ü	schrP	
B 2	Minerals	4	5	SU, Ü, Pra	schrP	TN
B 3	Intercultural Communication	2	3	SU, Ü	mdIP	
B 4	Scientific Writing	2	3	SU, Ü	ModA	
B 5	Recycled Fibers	4	5	SU, Ü, Pra	schrP	TN
B 6	Automation Fundamentals	4	5	SU, Ü	schrP	
B 7	Fundamentals of Coating	4	5	SU, Ü	schrP	
B 8	Coating and Barriers	4	5	SU, Ü, Pra	mdIP	TN
B 9	General Management	4	5	SU, Ü	ModA	
B 10	Paper Chemistry	4	5	SU, Ü, Pra	schrP	
B 11	Paper Machine Technology	4	5	SU, Ü, Pra	schrP	TN
B 12	Automation and Digitalization	4	5	SU, Ü, Pra	mdIP	
B 13	Design of Experiments and Statistics	4	5	SU, Ü	schrP	
B 14	Circular Economy	4	5	SU, Ü	ModA	
E	Electives: Elective 1 Elective 2 Elective 3 Elective 4	8	10	SU, Ü, Pra	ModA or mdIP or schrP	

B 15	Master's Thesis		20		MA, Pres	
	Sum of SWS or performance points	79	120			