Study and Examination Regulations for the Master's Degree Program Sustainable Textiles at Hof University of Applied Sciences

From 4th February 2020*

Only the German version of this document is legally binding. This English translation is for your convenience only.

Based on the Article 13 Section 1(2) and Article 43 Section 5(2) of the Bavarian Higher Education Act (Bayerisches Hochschulgesetz BayHschG, BayRS 2210-1-1-WFK), Hof University of Applied Sciences hereby enacts the following study and examination regulations:

Preliminary Note

To ensure legibility and clarity of the study and examination regulations, these regulations waive to use both gender forms and separate notations for female and male persons. All references to one gender shall be deemed and construed to include the other gender as well.

§ 1

Purpose of the Study and Examination Regulations

¹These regulations govern the admission criteria for the Master's degree program Sustainable Textiles, as well as its content and structure. ²Furthermore, these regulations complement the guidelines for the examination for the Universities of Applied Sciences (Rahmenprüfungsordnung für die Fachhochschulen, RaPO, BayRS 2210-4-1-4-1-WFK) and the General Examination Regulations of Hof University of Applied Sciences (APO) by defining the specific examination regulations for this degree program.

§ 2

Admission Requirements for the Master's Degree Program

(1) ¹Admission requirements are

- a successfully completed Bachelor's degree at a German or foreign university with a minimum of 180 credits (credit points according to the European Credit Transfer and Accumulation System - ECTS) or an equivalent degree in an engineering or natural science degree program that has provided sufficient fundamental knowledge in textile technology and textile chemistry for the Master's degree program Sustainable Textiles,
- 2. the proof of eligibility for this specific degree program according to § 3.

²A sufficient fundamental knowledge of textile technology and textile chemistry in accordance with Article 1, No. 1 has been achieved, if at least 60 credits or equivalent modules from the field of textile technology and 20 credits or equivalent modules from the fields of textile chemistry or chemistry had to be completed to successfully complete the degree program. ³The examination board shall decide whether this is the case; in doing so, it shall be guided by the standard of Article 63 Paragraph 1 Sentence 1 BayHSchG (no significant differences).

^{*} As amended by the first amendment statute.

(2) The admission requirement according to Article 1, Section 1 (1) is considered to be met for applicants who have completed modules of the type mentioned in Article 1, Section 2 to a lesser extent than specified there, if they by the end of the second semester in the Master's degree program in accordance with the study and examination regulations for the Bachelor's degree program in Innovative Textilien at Hof University of Applied Sciences additionally acquire the missing credits in modules of their choice in the field of textile technology or the field of textile chemistry, with the exception of the foundation modules and the practical semester.

§ 3

Proof of eligibility for this specific Degree Program

¹Only those applicants who have completed a Bachelor's degree in accordance with § 2 Article 1 Section 1(1) with an overall minimum grade of 2.5 or equivalent, qualify for this Master's degree program. ²The grading criterion in Section 1 is also met if applicants can provide proof of belonging to the top 50 percent of graduates in their prior degree program.

§ 4

Degree Program Objectives

¹The practice-oriented master's degree program Sustainable Textiles is intended to prepare students for demanding technical and management tasks in globally operating companies. ²The graduates will have an indepth and practice-oriented engineering qualification for specialist and management functions in the field of textile chemistry and textile finishing, which is oriented towards the requirements of globalization and sustainability.

§ 5

Standard Duration of Study, Compulsory Internship

¹The standard duration of study is three semesters. ²The degree program generally includes a compulsory internship, namely the module "Master Thesis" to the extent of 900 hours (30 credits). ³The "Master Thesis" module may exceptionally be completed in another form under the conditions of § 8 Article 2 Section 3. ⁴During the compulsory internship, students are supervised by lecturers from Hof University of Applied Sciences.

§ 6

Modules

(1) The modules required to pass the master's examination, the type and scope of the courses, the form of examinations including the time required for the completion of the planned assessments as well as the evaluation according to the ECTS are specified in the Appendix.

(2) ¹The curriculum of the Master's degree program is oriented to a Bachelor's degree program of 210 credits or equivalent. ²Applicants who have only completed a Bachelor's degree with a scope of 180 credits or equivalent in order to pass the master's examination must acquire additional 30 credits by completing six of the following modules in accordance with the study and examination regulations for the Bachelor's degree program in Innovative Textilien (Innovative Textiles):

Module no.	Module
1105	Produktentwicklung / Product development
0411	Qualitätsmanagement / Quality management
0501	Projektmanagement / Project Management
0502	Verkaufskommunikation / Sales communication

3111	Technologie der Garnerzeugung / Technology of yarn production
3112	Maschentechnologie / Mesh technology
3115	Bindungstechnik / Binding technique
3117	Technologie der Weberei / Weaving technology
3119	Technologie der Vliesherstellung / Technology of producing nonwoven
3102	Beschichtungstechnik – dünne Schichten / Coating technology - thin films
0204	Analytische Chemie / Analytical chemistry
0205	Textilchemie / Textile Chemistry
3107	Beschichtung und Hochleistungsfasern / Coating and high-performance fibers
3109	Funktionalisierung von Textilien / Functionalization of textiles
3113	Technische Textilien – Maschenwaren / Technical textiles - knitted fabrics
3118	Technische Textilien – Webwaren / Technical textiles - woven fabrics
3103	Textile Verbundwerkstoffe / Textile composites
3110	Future in Textile Printing
3108	Advanced Coloration

³The choice of modules is left to the students. ⁴However, there is no guarantee that all of the modules listed above can actually be selected. ⁵The modules offered result from the study plan for the Bachelor's degree program Innovative Textilien (Innovative Textiles).

(3) ¹Crediting of study and examination achievements from the prior professional degree program towards the achievements to be made in accordance with Article 2, Section 2 and § 2, Article 2, may irrespective of the other requirements for crediting only take place, insofar as these achievements did not relate to any of the modules required for the successful completion of this degree program. ²For extensions of the time limit specified in § 2, Article 2, § 8, Article 4 of the Framework Examination Regulations for Universities of Applied Sciences (RaPO) shall apply accordingly. ³The final grades of the modules additionally required according to Article 2 Section 2 and § 2 Article 2 shall not be taken into account when determining the overall examination grade of the master's examination.

§ 7

Module Handbook, Study Plan

(1) ¹The Faculty of Engineering provides a module handbook. ²The module handbook specifies the teaching content and learning objectives of the modules in detail. ³In addition, it contains, in particular, more detailed provisions on the examinations listed in the appendix as well as the professional supervision during the preparation of the final thesis and during the internship. ⁴If the same module is offered more than once in a semester; the module handbook shall determine the criteria according to which the students are distributed among the courses with the same content.

(2) ¹In addition, the Faculty of Engineering provides a study plan. ²The study plan provides detailed information on the courses offered by the faculty and the recommended course of study.

(3) ¹The module handbook and the study plan shall be approved by the Faculty Council in agreement with the examination board and shall be made public at the university. ²The announcement of new regulations must be made at the latest at the beginning of the the semester in which the regulations are to be applied for the first time.

(4) ¹In addition to the compulsory elective modules listed in the appendix, modules from other Master's degree programs may also be selected as compulsory elective modules. ²The study plan shall regulate the details.

(5) ¹There is no entitlement to all compulsory elective modules listed in the appendix being offered. ²The offer shall be determined in the study plan, taking into account the demand.

§ 8

Master Thesis

(1) ¹The topic of the Master thesis is assigned at the beginning of the third semester of study, subject to the admission requirement stated in Section 2. ²The assignment requires that the student has acquired at least 48 credits in this degree program. ³The time from issuing the topic of the Master thesis to its submission is five months.

(2) ¹In the Master thesis, students shall demonstrate their ability to apply the knowledge acquired during study in an independent application-related scientific work to solve holistic technical problems. ²The Master thesis shall in principle serve to work on a concrete operational problem and shall therefore be prepared within the framework of a special internship (§ 5, Section 2). ³Upon request, the examination board may allow the Master thesis to be written independently of a concrete operational problem and therefore outside of an internship, if the practical relevance of the thesis is nevertheless ensured and the topic is suitable for a special theoretical specialization.

§ 9

Language of Instruction and Examination

¹The courses and examinations are given in English. ²In the case of compulsory elective modules that can be selected from the range of other degree programs, the language of instruction and examination is determined by the regulations of the corresponding study and examination regulations.

§ 10

Academic Degree

Based on the passing of the master's examination, Hof University of Applied Sciences awards students the degree Master of Engineering (M.Eng.).

§ 11

Examination Board

¹An examination board for the Master's degree program Sustainable Textiles shall be established by the Faculty of Engineering. ²The examination board is composed of the chairperson and two further members. ³The members shall be elected by the Faculty Council.

§ 12

Coming into Force

¹These regulations come into force on the day after they are published. ²It applies to all students who take up their studies in the Master's degree program Sustainable Textiles after it comes into force.

1	2	3	4	5	6	7
					Examinations	
Mod- ule No.	Module Groups & Modules	SWS	Cred- its	Courses	Form	Admission require- ments
	Textiles	8	12			
1	Advanced Textile Production	4	6	SU, Pr	schrP90	TN Pr
2	Advanced Textile Chemistry	4	6	SU, Pr	schrP90	TN Pr
	Management/ International Law	8	12			
3	Sustainable Project Management	4	6	SU, Pr	Р	
4	Legal Framework and Digitaliza- tion of the Textile Value Chain	4	6	SU, Ü	schrP90	
	Sustainability	4	6			
5	Circular Economy/ Certificates and Eco Labels	4	6	SU, Pr	schrP90	
	Textile Chemistry	4	6			
6	Effect and Process Auxiliaries	4	6	SU, Pr	schrP90	TN Pr
	Renewable Products	4	6			
7	Renewable Products for the Tex- tile Industry (Fibers, Auxiliaries, Dye-stuffs)	4	6	SU, Ü	StA	
	Sustainable Application Tech- nology	8	12			
8	Sustainable Functionalization and Surface Modification of Textiles	4	6	SU, Pr	schrP90	TN Pr

6						
9	Resource Efficient Application Technologies	4	6	SU, Pr	StA	
	Electives	4	6			
10	Simulation and Optimization	4	6	SU, Ü	StA	TN
11	Project Simulation	4	6	Pr	StA	TN Pr
12	Sustainable Products for Medical or Hygienic End-Use	4	6	SU, Pr	Ρ	
13	Master Thesis		30	Pr	AA	
	Summe		90			

Explanation of the abbreviations:

- AA Final Thesis
- P Possible examinations (P) are schrP90, StA or Ref. A combination of two of these examinations is also possible as well as the specification of admission requirements for participation in examinations. Further details are regulated in the study plan.
- Pr Internship
- Ref Presentation (duration approx. 25 minutes)
- schrP Written examination*
- StA Student research project (regular workload 50 hours)
- SU Seminar lectures
- SWS Semester hours per week
- TN Proof of participation
- Ü Exercise

* With indication of the processing time in minutes.