

**Study and Examination Regulations
for the Bachelor Degree Program
Innovative Textilien (Innovative Textiles)
at the Hof University of Applied Sciences**

From 20th June 2012*

<p><i>Only the German version of this document is legally binding. This English translation is for your convenience only.</i></p>
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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), the Hof University of Applied Sciences hereby implements the following study and examination regulations:

§1

Purpose of the Study and Examination Regulations

¹These regulations govern the content and structure of the studies in the Bachelor's degree program Innovative Textilien. ²Furthermore, these regulations complement the General Framework Examination Regulations for Universities of Applied Sciences (Rahmenprüfungsordnung für die Fachhochschulen, RaPO, BayRS 2210-4-1-4-1-WFK) and the General Examination Regulations of the University of Applied Sciences Hof (APO) by defining the specific examination regulations for this degree program.

§ 2

Study Objective

(1) The degree program is intended to provide the technical and social competence required for the independent implementation of scientific findings and processes as well as for responsible action in the company and society in the professional field of textile engineering.

(2) ¹The occupational field is characterized by the integration of technical, economic and social tasks.

²This requires to see structures and processes in their entire context as well as to coordinate the specialized operational forces and to align them towards a common target.

(3) ¹In addition to acquiring specific technical knowledge, the study of the degree program Innovative Textilien is intended to train the ability to grasp comprehensive interrelationships, to react with flexibility and to work out solutions in a team. ²Decisiveness, communication skills and willingness to cooperate will be developed.

* As amended by the third amendment statute.

(4) In addition, further skills shall be developed, such as grasping the rapid changes in technical progress and implementing it beneficially, collaborating in the development of technical design and solution options and assessing their technical feasibility, evaluating new technical concepts and using them for the company by applying scientific principles, as well as recognizing the impact of decisions on business operations, employees and the environment and acting responsibly accordingly.

§ 3

Program Structure, Fields of Study

(1) The standard duration of study is seven semesters.

(2) The degree program is structured as follows:

Study Section	Period with recommended course of studies
Foundation modules	1st and 2nd semester
Core modules	3rd and 4th semester
Specialization modules	5th and 6th semester
Practical semester	7th semester

(3) ¹In the context of an in-company practical phase (internship), a practical thesis and the Bachelor's thesis will be written. ²The internship lasts 18 weeks. ³The completion of the internship must be evidenced by a certificate of participation issued by the training institution which meets the requirements of the university. ⁴ The form issued by the university is to be used for the proof of participation. ⁵Details are specified in the module handbook. ⁶The time for writing the Bachelor's thesis shall be three months, subject to the following sentence. ⁷It lasts five months if the topic has been assigned by one month after the start of the internship semester.

(4) As an exception to § 10 Article 2 Section 1 APO, § 10 para. 2 clause 2 APO becomes effective that for all examinations in the foundation module for which proof of participation is required as a prerequisite for admission, the fourth semester shall take the place of the third semester.

§ 4

Modules

The modules required to pass the Bachelor's examination, the type and scope of the courses, the form of examinations including the processing times for the preparation of written examination papers, any admission requirements for participation in the examinations, and the evaluation according to the European Credit Transfer and Accumulation System (ECTS) are specified in the Appendix.

§ 5

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 shall contain, in particular, more detailed provisions on the examinations and admission requirements for examinations specified in the Appendix, as well as the professional supervision during the preparation of the thesis and during the internship. ⁴Furthermore, the module handbook shall describe the workload of the students, the recommended prerequisites for participation and the usability of the modules. It shall give advice for the preparation and post-processing of the teaching and examination material and specify the duration of the modules, the frequency of their offer as well as the English module names.

(2) ¹In addition, the Faculty of Engineering provides a study plan. ²The study plan shall provide detailed information on the courses offered by the faculty and the recommended course of study. ³If the same module is offered more than once in a semester, the study plan shall determine the criteria according to which students are distributed among the offerings with the same content. ⁴The study plan shall also contain regulations and information about:

- a) the compulsory elective modules in the technical sciences that can be selected,
- b) the compulsory elective modules in general science that can be selected,
- c) more detailed provisions regarding examinations and attendance records.

(3) ¹The module handbook and the study plan shall be approved by the Faculty Council and shall be published by the university. ²The announcement of new regulations must take place latest by the beginning of the semester, in which the regulations are to be applied for the first time. Specifications concerning the examination procedure require the agreement of the examination board.

§ 6

Admission Requirements for Individual Modules

(1) ¹Students who have not acquired at least 10 credits in the first semester of study are excluded from participation in the courses and examinations of the modules "Konstruktion" as well as "Grundlagen der Textilveredelung" in the second semester of study.

(2) Students who have not yet acquired at least 45 credits in the foundation modules are excluded from participation in the courses and examinations of the modules of the following study sections until they fulfill this admission requirement.

(3) Students who have not yet successfully completed all foundation modules and have acquired at least 30 credits in the core modules are excluded from participation in the courses and examinations of the modules of the following study sections, except as provided in Article 5, until they fulfill this admission requirement.

(4) Students who have not yet successfully completed all modules of the core module and have acquired at least 45 credits in the specialization modules are excluded from participation in the courses and examinations of the modules of the practical semester, except as provided in Article 6 and 7, until they fulfill this admission requirement.

(5) Students of the study model "Hochschule Dual" can complete up to three specialization modules already during their studies in the core modules; Article 2 remains unaffected.

(6) Students of the study model "Hochschule Dual" can complete the module No 4003 (Praxisarbeit) of the practical semester already during their studies in the specialization module, but only including the entire practical training in the sense of § 3 Article 4 and without the possibility to bring forward the module No. 4004 (Bachelor thesis); Article 3 remains unaffected. ²The semester in which the students concerned complete the practical work (Paxisarbeit) shall be their practical semester within the meaning of these study and examination regulations.

(7) Upon request, students who wish to do an internship abroad can be allowed by the examination board to complete the module of the practical semester with the No. 4003 (Praxisarbeit) already during their studies in the specialization module, if this seems reasonable to support the internship and in consideration of the students' achievements proven so far; Article 3 remains unaffected.

§ 7

Language of Instruction and Examination

(1) The language of instruction and examination in the foreign language modules is the respective foreign language.

(2) The foundation modules are given in German language.

(3) ¹The courses and examinations of the core modules and specialization modules are offered in English. ² In addition these modules may also be given with German as the language of instruction and examination.

(4) The modules of the practical semester can be completed in German or English at the students' choice.

§ 8

Academic Degree

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

§ 9

Examination Board

¹In the Faculty of Engineering, an examination board for the Bachelor's degree program in Innovative Textilien shall be formed. ²The examination board consists of the chairperson and two further members.

³The members are elected by the Faculty Council.

§ 10**Coming into Force, Expiration, Transitional Provisions**

The original regulations have not been printed, as they are no longer of sole importance for the applicability of the present version. The present version applies to all students who have started or are starting their studies in the Bachelor's degree program Innovative Textilien after the summer semester 2018.

The regulations on the specialization modules also apply to students who have already started studying in the Bachelor's degree program Innovative Textilien before October 1st. 2018, if they have not completed a specialization module by then or have at least taken a module examination in this regard for the first time.

Appendix (to § 5)

I. Foundation modules (1st year of study)

1	2	3	4	5	6	7
					Examinations	
Module No:	Description of the module groups and modules	SWS	Credits	Type of course	Form	Admission requirement
	Grundlagen der Mathematik / Fundamental mathematics					
0101	Analysis	4	5	SU, Ü	schrP90	
0103	Statistik / Statistics	4	5	SU, Ü	schrP90	
	Grundlagen Interkulturelle Kompetenz / Fundamental Intercultural Competence					
	Sprachen ¹⁾ / Languages ¹⁾	4	5	SU, Ü	p ²⁾	p ^{2) 3)}
	Grundlagen Physik und Technik / Fundamentals in physics and technology					
1101	Statik und Festigkeitslehre / Statics and strength theory	4	5	SU, Ü	schrP90	
1102	Konstruktion / Design	4	5	SU, Ü	schrP120 +StA	
	Grundlagen der Wirtschaft / Fundamentals of the Economics					
0401	Betriebswirtschaftliche Grundlagen für Ingenieure / Business management fundamentals for engineers	4	5	SU	schrP90	

	Chemie / Chemistry					
0201	Allgemeine und anorganische Chemie / General and inorganic chemistry	6	5	SU, Pr	schrP90	TN Pr ⁴⁾
0203	Organische Chemie / Organic chemistry	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Grundlagen der Textiltechnologie / Fundamentals of textile technology					
3101	Textile Produktionsverfahren / Textile production processes	6	5	SU	schrP120	
3102	Textile Werkstoffkunde / Textile material science	4	5	SU	schrP90	
3104	Prüfung textile Materialien / Testing of textile materials	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3105	Grundlagen der Textilveredelung / Fundamentals of textile finishing	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Total Credits:		60			

II. Core modules

1	2	3	4	5	6	7
					Examinations	
Module No:	Description of the module groups and modules	SWS	Credits	Type of course	Form	Admission requirement
	Maschinenbau / Mechanical Engineering					
1105	Produktentwicklung / Product development	4	5	SU, Ü	schrP90 +StA	
	Werkstoffe / Materials					
1301	Grundlagen der Werkstoffe für Ingenieure / Fundamentals of materials for engineers	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Produktionsmanagement / Production Management					
0411	Qualitätsmanagement / Quality management	4	5	SU, Ü,	schrP90	
	Querschnittsfächer / Cross-sectional subjects					
0501	Projektmanagement / Project Management	4	5	SU, Ü, Pr	P ²⁾	TN Ü, TN Pr ⁴⁾
0502	Verkaufskommunikation / Sales communication	4	5	SU, Ü,	Kol	TN
0301	Grundlagen der Informationstechnik / Basics of information technology	4	5	SU, Ü	schrP90	TN Ü

	Textiltechnologie / Textile Technology					
3111	Technologie der Garnerzeugung / Technology of yarn production	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3112	Maschentechnologie / Mesh technology	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3115	Bindungstechnik / Binding technique	4	5	SU	schrP120	
3117	Technologie der Weberei / Weaving technology	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3119	Technologie der Vliesherstellung / Technology of producing nonwoven	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Textilchemie / Textile Chemistry					
0204	Analytische Chemie / Analytical chemistry	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Total credits		60			

III. Specialization modules

1	2	3	4	5	6	7
					Examinations	
Module No:	Description of the module groups and modules	SWS	Credits	Type of course	Form	Admission requirement
	Textile Chemistry					
0205	Textile Chemistry	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3107	Coating + High Performance Fibers	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3109	Functionalization of textiles	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Technical textiles					
3113	Technical textiles - mesh fabrics	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3118	Technical textiles - woven goods	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3103	Textile composites	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Textile refinement					
3110	Future in Textile Printing	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
3108	Advanced Coloration	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
1402	Coating technology thin films	4	5	SU, Pr	schrP90	TN Pr ⁴⁾
	Advanced modules					
0512	FWPM	8	10		P ²⁾	TN ³⁾
3510	Project materials	4	5	Pr	StA	TN
	Total Credits		60			

IV. Practical semester

1	2	3	4	5	6	7
					Examinations	
Module No:	Description of the module groups and modules	SWS	Credits	Type of course	Form	Admission requirement
4003	Praxisarbeit / Practical work		18	PR	StA	TN
4004	Bachelorarbeit / Bachelor thesis		12		AA	

Explanation of abbreviations:

AA:	final thesis	SWS	Semester hours per week
schrP:	Written examination*	LV	Lecture
KI	Exam	TN	Attendance record
StA	Student research project	P	Examination
Kol	Colloquium	Ü	Tutorial / Exercise
SU	Seminar teaching	Pr	Internship
LN	course-related proof of achievement	SWS	Semester hours per week

* With indication of duration in minutes.

Notes:

¹⁾ Further details are determined in the study plan by the Faculty Council in agreement with the examination board.

²⁾ The scope and form of the examinations marked "P" as well as the weighting of several examinations within the module shall be determined by the Faculty Council in agreement with the examination board in the study plan, insofar as they do not already result from another field of study or study and examination regulations.

³⁾ Any admission requirements for examinations are specified in the study plan by the Faculty Council in agreement with the examination board, insofar as they do not already result from another field of study or study and examination regulations.

⁴⁾ Admission to the examination requires participation in 80 percent of the practical courses.