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**Regulations for the repeal of the regulations for the examination in the English-language degree program "Sustainable Business and Technology" at Trier University of Applied Sciences dated 14.06.2023**

Based on § 7 para. 2 no. 2 and § 86 para. 2 no. 2 of the Rhineland-Palatinate Higher Education Act (HochSchG) of September 23, 2020 (GVBl. p. 461), last amended by the Act of July 22, 2021 (GVBl. p. 453), BS 223-41, the departmental councils of the departments of Environmental Planning/Environmental Technology and Environmental Economics/Environmental Law at Trier University of Applied Sciences adopted the following regulations on July 13, 2022 to repeal the regulations for the Bachelor's examination in the English-language degree program "Sustainable Business and Technology". It was approved by the Presidential Board of Trier University on 31.05.2023. They are hereby made public.

### **§ 1 Expiry of the previous examination regulations**

The Regulations for the Examination in the English-language Bachelor's Degree Program "Sustainable Business and Technology" dated 14.02.2017, (publicus, no. 2017-02 dated 17.03.2017, p. 7-17) , amended on 09.04.2018 (publicus, no. 2018-07, dated 04/16/2018, p. 153), amended on 08/19/2019, (publicus, No. 2019-05, dated 08/23/2019, p. 128), last amended on 06/16/2020, (publicus, No. 2020-04, dated 07/01/2020, pp. 29-31), is hereby repealed.

### **§ 2 Transitional provisions**

**(1)** Students who were enrolled in the English-language bachelor's degree program "Sustainable Business and Technology" before the new subject examination regulations of XX.XX.2023 came into effect can complete their studies according to the regulations mentioned in § 1 until the end of the summer semester 2023 (31.08.2023). In cases of hardship, the examination board may extend the deadline.

**(2)** Students according to Paragraph 1 who have not yet completed the Bachelor's degree program after the expiry of the deadline specified therein shall be converted ex officio to the new subject examination regulations of XX.XX.2023 of the English-language Bachelor's degree program "Sustainable Business and Technology". In this process, periods of study as well as equivalent achievements that have already been completed will be recognized upon application by the student. In identical or equivalent modules, in which positive recognition is given when changing to the new subject examination regulations of XX.XX.2023, previously completed failures from the examination regulations of 14.02.2017, (publicus, No. 2017-02 of 17.03.2017, pp. 7-17), last amended on 16.06.2020, (publicus No. 2020-04 of 01.07.2020, pp. 29-31), shall be counted towards the permitted number of retakes.

**(3)** Details of the transition shall be regulated by the Examination Committee.

### **§ 3 Entry into force**

These regulations come into force on the day after their publication in the official publication organ of Trier University "publicus".

Trier, 14.06.2023

Prof. Dr.-Ing. Peter Gutheil

The Dean of the Department of Environmental Planning/Environmental Engineering at Trier University of Applied Sciences

Prof. Dr. Klaus Helling

The Dean of the Department of Environmental Economics/Environmental Law at Trier University of Applied Sciences

**Examination regulations for the examination in the English-language bachelor's degree program Sustainable Business and Technology in the subject areas of Environmental Planning/Environmental Engineering and Environmental Economics/Environmental Law at Trier University of Applied Sciences from 14.06.2023**

On the basis of § 7 para. 2 no. 2 and § 86 para. 2 no. 2 of the Rhineland-Palatinate Higher Education Act (HochSchG) of September 23, 2020 (GVBl. p. 461), last amended by the Act of July 22, 2021 (GVBl. p. 453), BS 223-41, the departmental councils of the Departments of Environmental Planning/Environmental Engineering and Environmental Economics/Environmental Law of the Trier University of Applied Sciences on 13.07.2022 the following examination regulations at Trier University of Applied Sciences. These subject examination regulations were approved by the Presidential Board of Trier University on 31.05.2023 approved.

It is hereby made public.

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## **§ 1 Scope and overriding regulations**

These examination regulations regulate the course-specific examination requirements and examination procedures for the English-language bachelor's degree program in Sustainable Business and Technology.

The General Examination Regulations for examinations in the degree programs at Trier University of Applied Sciences, as amended from time to time, shall apply in addition.

## **§ 2 Purpose of the test**

The bachelor's examination is the professional qualification for the English-language bachelor's degree program in Sustainable Business and Technology. With the successful completion of the Bachelor's examination, students have demonstrated that they have acquired the specialist knowledge and corresponding action competence necessary for entry into professional practice, have an overview of the contexts of their subject and possess the ability, scientific methods and knowledge.

## **§ 3 Degree**

Based on the successful completion of the Bachelor's examination, the academic degree "Bachelor of Engineering" (abbreviated "B.Eng.") is awarded.

## **§ 4 Admissions Committee**

There is no provision for an admissions committee.

## **§ 5 Admission to the study program**

**(1)** The prerequisite for admission to the program is the university entrance qualification defined in § 65 HochSchG or a university entrance qualification recognized as equivalent by the responsible state authorities.

**(2)** In addition, sufficient English language skills at level B2 CEFR are required for admission, since a large part of the courses and examinations will be held in English. Proof must be provided in accordance with the currently valid enrollment regulations of Trier University.

In deviation from this, proof of sufficient English language skills can also be provided in particular by a recognized language test, e.g. TOEFL iBT (72), TOEIC (Listening and Reading Test: 785 + Speaking Test: 160 + Writing Test: 150, IELTS (5.5), Cambridge First Certificate in English + Grade B or C (FCE) as well as the B2 Certificate English of the Language Test Center of Trier University.

The aforementioned proof of English does not have to be provided if the school education/studies were completed in English. The same applies to native speakers or applicants from countries where English is the official language and language of education.

**(3)** For admission into the bachelor's double degree program with Foshan University of Science and Technology, both the admission requirements according to these regulations and the admission requirements of Foshan University of Science and Technology as well as the provisions of the applicable cooperation agreement must be met.

## **§ 6 Standard period of study, course structure and scope of the courses offered**

**(1)** The program is designed to be completed within the standard period of study. The standard period of study is 6 semesters. A total student workload corresponding to 180 credit points (ECTS) is assigned to the program. One credit point (ECTS) corresponds to a student workload of 30 hours.

**(2)** The course offering is fully modularized. The scope of the compulsory and elective courses can be found in Appendix 1. In the area of compulsory electives, students can set focal points of their own choice. Elective modules are announced in a suitable manner.

The course offerings of the compulsory and elective courses are generally offered in English, but may also be offered in another language.

Students enrolled in the course(s) listed in § 1 have priority for participation in courses with limited places.

**(3)** The number, the award of credit points (ECTS) and the modules according to §§ 7 and 8 of the State Ordinance on Study Accreditation are found in Appendix 1 of these regulations. The type and form of examinations are regulated in the respective module handbook.

**(4)** Students enrolled in the bachelor double degree program with Foshan University of Science and Technology shall perform specified services according to the requirements of the cooperation partner at Foshan University. Enrollment at the German university site is usually in the fifth semester. These students have to perform the services according to Annex 3 in the amount of 60 ECTS at the Environmental Campus Birkenfeld of Trier University.

This program is bound to the term of the respective current cooperation agreement. Students enrolled in this program are subject to the provisions of these examination regulations in conjunction with the provisions of the current cooperation agreement. Students who were enrolled in the Bachelor Double Degree Program with Foshan University of Science and Technology prior to the termination of the cooperation agreement may terminate their studies until the end of the summer semester of the year after next after the expiration of this program. In cases of hardship, the Examination Committee may extend this deadline.

## **§ 7 Study achievements**

Annex 2 shows the modules with their respective designation and the number of credits to be taken as well as, if applicable, the credits to be taken as a preliminary examination. In accordance with § 26 Para. 2 No. 7 HochSchG, attendance may be required as a prerequisite for achieving the learning objective and passing the examination.

## **§ 8 Thesis**

**(1)** The final thesis should demonstrate that the students are able to work independently on a subject problem using scientific methods within a given period of time. An interdisciplinary thesis in connection with other subject areas is possible.

**(2)** Students may enroll in the program at the earliest after they have been notified that they have achieved 120 credit points (ECTS), with at least the achievements of the first 3 semesters according to Appendix 1 must be included, to register for the final thesis. Students must register for the final thesis no later than 12 months after the announcement of the achievement of 165 credit points (ECTS). The announcement is made via the university's own electronic examination administration system, by posting a notice or by other suitable means. If the registration for the final thesis is not done in time, it is considered as failed for the first time.

Notwithstanding the above, students enrolled in the Bachelor Double Degree Program with Foshan University of Science and Technology may register for the thesis no earlier than after the announcement of the achievement of 30 credit points (ECTS) from the fifth semester according to Appendix 3. They must register for the thesis no later than 12 months after the announcement of the achievement of 45 credit points (ECTS) from the fifth and sixth semesters according to Appendix 3.

**(3)** The processing period of the thesis is up to 9 weeks. It begins with the issue of the topic. In individual cases, the examination committee may, upon justified application, extend the processing period by up to 4 weeks upon justified request.

**(4)** Deviating from the regulation of APO § 10, the following is specified. The thesis is to be evaluated by at least two persons who are admitted as examiners, whereby one of these persons must belong to the group of professors (§ 37 para. 2 no. 1 HochSchG) of the Department of Environmental Planning/Engineering or the Department of Environmental Economics/Law. One of the two persons should have supervised the thesis.

### **§ 9 Colloquium on the final thesis**

The students present their thesis, which has been graded with at least "sufficient", in a colloquium of usually 45 minutes duration. The content of the thesis is examined in the context of the respective course of study. The presentation takes place in front of an examination board. The members of this committee are:

1. the examiner of the thesis according to § 10 para. 2 of the General Examination Regulations for Examinations in the Study Programs at Trier University of Applied Sciences and at least one further examiner according to § 3 para. 2 of the General Examination Regulations for Examinations in the Study Programs at Trier University of Applied Sciences,
- or
2. the examiner of the final thesis and one further expert observer to be determined by the Examination Committee.

§ Section 7 (4) to (6) of the General Examination Regulations for Examinations in the Courses of Study at Trier University of Applied Sciences shall apply accordingly.

### **§ 10 Formation of the overall grade**

**(1)** The overall grade results from the weighted module results. The weighting of the module results can be found in Appendix 1 of these regulations.

**(2)** If elective modules are grouped into areas in Annexes 1 and 3, a weighted average grade of the assigned elective modules is first calculated for each area according to ECTS points. The weighting of the average grade determined in this way can also be found in Annexes 1 and 3.

**(3)** When calculating grades according to Paragraphs 1 and 2, only the first decimal place after the decimal point is taken into account; all other places are deleted without rounding. In the case of outstanding performance (overall grade up to 1,3), the overall grade "With distinction" may be awarded.

**(4)** Deviating from para. 1, the following applies to students who complete their degree in the Bachelor double degree program with Foshan University of Science and Technology: The overall grade at Trier University of Applied Sciences results from the weighted individual grades of the modules of the fifth and sixth semesters. The weighting of the individual grades can be found in Appendix 3 of these regulations.

### **§ 11 Passing, failing and repeating examinations**

**(1)** In accordance with § 14 Para. 3 of the General Regulations for Examinations in the Courses of Study at Trier University of Applied Sciences, it is stipulated:

The repetition of an examination performance passed in the first examination attempt is permitted once for the next examination date in order to improve the grade. If an improvement in grade is not achieved, the grade achieved in the first examination attempt remains valid. The final thesis and the colloquium on the final thesis cannot be repeated to improve the grade.

**(2)** Attendance may be required for individual modules if this is necessary as a prerequisite for achieving the learning objectives and passing the examination in accordance with § 26 Para. 2 No. 7 HochSchG.

### **§ 12 Certificate, Diploma Supplement**

**(1)** In addition to the regulations in § 16 Para. 3, 4 and 5 of the General Regulations for Examinations in the Study Programs at Trier University of Applied Sciences, the following is stipulated:

The certificate and the appendix are issued in German and English. The certificate is to be signed by the chairing member of the examination board and bears the date of the day on which the last performance was achieved.

**(2)** Supplementary to the regulation in § 16 of the General Examination Regulations for Examinations in the Degree Programs at Trier University of Applied Sciences, it is stipulated: For students enrolled in the Bachelor double degree program with Foshan University of Science and Technology, the certificate issued by Trier University of Applied Sciences is valid only in conjunction with the certificate issued by Foshan University of Science and Technology.

**(3)** Supplementary to the regulation in § 17 of the General Examination Regulations for Examinations in the Degree Programs at Trier University of Applied Sciences, it is stipulated: For students enrolled in the Bachelor double degree program with Foshan University of Science and Technology, the certificate issued by Trier University of Applied Sciences is valid only in conjunction with the certificate issued by Foshan University of Science and Technology.

### **§ 13 Entry into force**

The subject examination regulations come into force on the day after their publication in the official publication organ of Trier University "publicus". They apply to all students who begin their studies in the winter semester 2023/24.

### **§ Section 14 Expiry of the previous examination regulations and transitional provisions**

The repeal of the previous examination regulations and transitional provisions are specified separately in a repeal regulation.

Birkenfeld, the 14.06.2023

Prof. Dr.-Ing. Peter Gutheil

The Dean of the Department of Environmental Planning/Environmental Engineering at Trier University of Applied Sciences

Prof. Dr. Klaus Helling

The Dean of the Department of Environmental Economics/Environmental Law at Trier University of Applied Sciences

### Attachment 1 Curriculum of the English-language bachelor's degree program in Sustainable Business and Technology

	Start for winter semester	SWS	ECTS	Weighting
1 <sup>st</sup> Semester	M 1 Mathematics I	4	5	5
	M 2 Physics	4	5	5
	M 3 Fundamentals of Sustainable Business	8	10	10
	M 4 Intercultural Communication	4	5	5
	M 5 German / Foreign Language I	4	5	5
	<b>Total</b>	<b>24</b>	<b>30</b>	<b>30</b>
2 <sup>nd</sup> Semester	M 6 Mathematics II	4	5	5
	M 7 Chemistry and Ecology	4	5	5
	M 8 Thermodynamics	4	5	5
	M 9 Principles of Engineering I	4	5	5
	M10 Accounting	4	5	5
	M11 German / Foreign Language II	4	5	5
<b>Total</b>	<b>24</b>	<b>30</b>	<b>30</b>	
3 <sup>rd</sup> Semester	M12 Principles of Engineering II	4	5	5
	M13 Information Technology	4	5	5
	M14 International Law and International Economic Policy	4	5	5
	M15 Scientific Methods and Concepts	4	5	5
	M16 Corporate Finance	4	5	5
	M17 German / Foreign Language III	4	5	5
	<b>Total</b>	<b>24</b>	<b>30</b>	<b>30</b>
4 <sup>th</sup> Semester	M18 Sustainable Waste and Waste Water Treatment Technologies	4	5	5
	M19 Sustainable Energy Systems	4	5	5
	M20 Lab Work	4	5	5
	M21 Manufacturing Technology	4	5	5
	M22 Cleaner Production and Operations Management	4	5	5
	M23 German / Foreign Language IV	4	5	5
<b>Total</b>	<b>24</b>	<b>30</b>	<b>30</b>	
5 <sup>th</sup> Semester	M24 Ethics and Society	4	5	5
	M25 <b>Elective*1</b>	4	5	5
	M26 <b>Elective*1</b>	4	5	5
	M27 Interdisciplinary <b>Project*2</b>	8	10	10
	M28 German / Foreign Language V	4	5	5
<b>Total</b>	<b>24</b>	<b>30</b>	<b>30</b>	
6 <sup>th</sup> Semester	M29 <b>Elective*1</b>	4	5	5
	M30 <b>Elective*1</b>	4	5	5
	M31 Career Planning and Employability	4	5	5
	M32 Thesis and Colloquium		15	15
	Thesis	-	12	12
Colloquium		3	3	
<b>Total</b>	<b>12</b>	<b>30</b>	<b>30</b>	
<b>Total</b>	<b>132</b>	<b>180</b>	<b>180</b>	



### **Further information and explanations on the curriculum**

<sup>1</sup> In the \*fifth and sixth semesters, students in the English-language bachelor's degree program "Sustainable Business and Technology" have the opportunity to focus their studies in order to develop an individual profile and focus on a future field of activity.

A total of four electives (modules 25, 26, 29 and 30) with a total of 20 ECTS must be selected according to the module handbook. These are usually provided in the form of 5 ECTS modules each and are to be selected from the catalog of compulsory elective modules for the degree program regulated in these regulations. The catalog of compulsory elective modules is determined and published by the head of the study program. It can be updated on a semester-by-semester basis.

In addition, students also have the option, after consultation with the program director, to take 5 ECTS modules from the bachelor's degree programs offered at the Environmental Campus Birkenfeld.

Details are regulated in the applicable module handbook.

<sup>\*2</sup> The module is usually carried out in the form of two projects, each comprising 5 ECTS. It is also possible to combine this module into one large project of 10 ECTS.

**Appendix 2: Modules with course credits according to § 6 in the English-language Bachelor's degree program Sustainable Business and Technology**

	Summe Studienleistungen	Modul schließt ausschließlich mit einer Studienleistung ab (ja/ nein)	Anzahl Studienleistung(en), die Prüfungsvorleistung sind für die Zulassung zu einer Prüfungsleistung	Anzahl Studienleistung(en) mit Anwesenheitspflicht als Prüfungsvorleistung
Mathematics I *	1	nein	1	
Mathematics II *	1	nein	1	
$\Sigma$	2		2	

\* Course work is a prerequisite for admission to an examination.

### Appendix 3: Curriculum Sustainable Business and Technology in the Bachelor double degree program according to the cooperation agreement with Foshan University.

Start for winter semester	SWS	ECTS	Weighting
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Prior to commencing studies at the Environmental Campus Birkenfeld of the Trier University of Applied Sciences, the achievements according to the requirements of the cooperation agreement have to be fulfilled.

Upon commencement of their studies at the Environmental Campus Birkenfeld of the Trier University of Applied Sciences, students of the cooperation program will be enrolled in the fifth semester of the English-language bachelor's degree program "Sustainable Business and Technology". In place of the achievements of the fifth and sixth semesters of Annex 1, they must complete the following achievements of Annex 3. \*<sup>1</sup>

5 <sup>th</sup> Semester	M 3	Fundamentals of Sustainable Business	4	5	5
	M 4	Intercultural Communication	4	5	5
	M 14	International Law and International Economic Policy	4	5	5
	M 24	Ethics and Society	4	5	5
	M 27	Interdisciplinary Project	4	5	5
	M 28	German as a foreign language V	4	5	5
	<b>Total</b>		<b>24</b>	<b>30</b>	<b>30</b>

6 <sup>th</sup> Semester	M 29	Elective* <sup>2</sup>	4	5	5
	M 30	Elective* <sup>2</sup>	4	5	5
		Regional Material Flow Management and Regional Practice ( M 12 from the bachelor program Nonprofit and NGO Management)	4	5	5
	M 32	Thesis and Colloquium	-	15	15
		Thesis Colloquium		12	12
			3	3	
<b>Total</b>		<b>12</b>	<b>30</b>	<b>30</b>	
<b>Total</b>		<b>36</b>	<b>60</b>	<b>60</b>	

#### Further information and explanations on the curriculum

<sup>1</sup> \*The achievements of the first to the sixth semester at Foshan University of Science and Technology are certified by the cooperation partner after successful completion of the bachelor double degree program according to the regulations of the current cooperation agreement. The grades are reported according to the grading system valid at the cooperation partner. At the Environmental Campus Birkenfeld of the Trier University of Applied Sciences, the modules listed here are to be completed to the extent of 45 ECTS as well as the bachelor's thesis and the colloquium to the extent of 15 ECTS.

These achievements are certified by Trier University of Applied Sciences - Environmental Campus Birkenfeld in accordance with the regulations of the respective current examination regulations in conjunction with the regulations of the respective current cooperation agreement. The grades are shown according to the grading system valid here.

In addition, the provisions of the respective current cooperation agreement are binding and must be observed.

\*2 In the sixth semester, students in the cooperative program have the opportunity to set study foci in order to enable individual profile formation and orientation towards a later field of activity.

A total of two electives (modules 29 and 30) with a total of 10 ECTS must be selected according to the module handbook. These are usually provided in the form of 5 ECTS modules each and are to be selected from the catalog of compulsory elective modules for the degree program regulated in these regulations. The catalog of compulsory elective modules is determined and published by the head of the study program. It can be updated on a semester-by-semester basis.

In addition, students also have the option, after consultation with the program director, to take 5 ECTS modules from the bachelor's degree programs offered at the Environmental Campus Birkenfeld.

Further details are regulated in the respective module handbook.