Regulatory statutes for the course of advanced studies "Intercultural Leadership and Technology" at Clausthal University of Technology, Clausthal Executive School. As of 07/21/2020

On 07/21/2020, the Senate of Clausthal University of Technology passed the following regulatory statutes in accordance with § 7 subpara. 3 read in conjunction with § 41 subpara. 1 of the Higher Education Act of Lower Saxony (NHG, Niedersächsisches Hochschulgesetz).). The regulatory statutes were approved of by the Praesidium of Clausthal University of Technology on 09/08/2020.

Preamble

These regulatory statutes are only valid in connection with the General Examination Regulations (GER) of Clausthal University of Technology as amended and contain all addenda and regulations specific to this study program.

Object of the Study Program

The object of the further education Master program, which can also be attended extra-occupationally, is to educate responsible, internationally-oriented managers, who are capable of making systemic connections; and to implement scientific concepts in distinct corporate areas. Graduates should be able to contribute personally and professionally to solving societal, economic and technical challenges. The Curriculum was built following the principle aiming at developing essential competences for leaders (to be) and their professional ability to act. The Master program "Intercultural Leadership and Technology" is designed for students who want to qualify for management tasks connecting economy and technology in companies. The profile of the program is completed not only by a fundamental education in leadership but also by integrating elements of engineering and culture.

The program should enable graduates to lead intercultural teams, make inter-national decisions based on the current state of engineering knowledge, and react to interdisciplinary issues. Hence, graduates will also be equipped with the ability to take on future tasks in different industries.

The following qualification goals apply for the respective areas:

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1) Leadership/Business Administration: Profound knowledge in the fundamental areas of business administration, especially regarding management and leadership (coordination, communication, decision-making, methodology and leadership).

2) Engineering: Profound knowledge of selected fields of engineering, especially within the areas of research of Clausthal University of Technology.

3) Interculturality: Understanding specifics and differences of national cultures.

Students can choose their individual area of specialization (engineering and intercultural mandatory electives). Thus, they are able to acquire profound knowledge following their professional activity or their intended professional specialization.

In order to reach these goals, students also need to develop the following skills in the course of the program:

- Target-oriented reception and processing of knowledge
- Analytical thinking
- Planning, decision-making, organizing and implementing
- Participating leadership and active conflict management
- Team work (collaborative work)

In relation to § 5

Program-specific Regulatory Statutes

The Master program Intercultural Leadership and Technology is constructed modularly. The amount of credit points (ECTS) for individual modules according to the ECTS (European Credit Transfer System) as well as type and extent of academic achievements and examinations are listed in enclosure 1 (module overview).

Enclosure 2 contains a model study plan displaying the recommended course of study of the program. A detailed description of modules and extensive information on content can be found in the separate module handbook.

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In relation to § 6

Length and Structure of the Study Program

The program can be commenced with winter or summer term.

The standard period of study of the further education Master amounts to four semesters including the Master thesis. The program comprises a total of 120 ECTS, including 30 ECTS for the Master thesis and colloquium.

The Master program Intercultural Leadership and Technology is a further-education Master program and can be completed extra-occupationally. Lectures are web-based or offered as blended-learning. There is a bundled phase on campus which takes place at the end of the semester.

In relation to § 10

Admittance to Examinations

The choice of a mandatory elective is only binding with the first examination attempt. It is only possible to change the mandatory elective modules if no examination attempt was conducted in any form.

In relation to § 13

Conception of Examinations, Additional Examinations and Requirement Examinations

The Master examination consists of the module examinations and the part-module examinations of the mandatory modules and the mandatory elective modules in correspondence with enclosure 1 as well as the Master thesis according to § 16 GER.

The catalog of mandatory elective modules from enclosure 1 can be updated once a year by resolution of the Senate. If there are changes to the catalog of mandatory elective modules, they will be published until the end of August valid for the subsequent year of study (winter or summer semester). In just exemptional cases, potential changes will be published by the end of February for the subsequent summer semester at: https://www.tu-clausthal.de/studieninteressierte/studiengaenge/weiterbildungsstudiengaenge/intercultural-leadership-and-technology

Proofs of performance can be graded or ungraded. Information on whether the respective proof of performance is graded or ungraded, can be abstracted from enclosure 1 (module overview).

All lectures are conducted in English.

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In relation to § 14

Types of Academic Achievements and Examinations

Types of academic achievements and examinations are laid down in enclosure 1 (module overview). Should the examiner decide on different types of examinations, he or she needs to specify and announce the potential type of examination and potential aids as found in enclosure 1. The length of examinations and oral examinations (cf. § 14 subpara 3 and 4 GER) is determined in the module handbook.

In relation to § 16

Thesis

Students need to be separately admitted to the Master thesis according to § 10 GER. The primary supervisor needs to be named with application.

Students meeting the admission requirements in accordance with § 10 GER and with a minimum of 72 credit points will be admitted to the Master thesis. Just exceptions can be made upon request in front of the Examination Committee.

The written part comprises 75 percent of the module examination Master thesis, the oral part (colloquium) comprises 25 percent of the examination.

The primary supervisor needs to be a lecturer of Clausthal Executive School. The secondary supervisor needs to be a faculty member of Clausthal University of Technology and their institute needs to belong to Clausthal University of Technology.

The Master thesis incl. colloquium comprises 30 credit point and is to be completed within 4 to 6 months. Upon request to the Examination Committee and with support of the primary supervisor, this period can be extended to a total of 9 months in just exemptional cases.

In relation to § 18

Grading of Examinations, Formation of Grades

Enclosure 1 (module overview) states how individual modules impact the overall grade of the Master examination.

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In relation to § 22

Absence, Deceit, Exception Regulations

The further education study program Intercultural Leadership and Technology is not applicable for part-time studies.

In relation to § 33

Commencement

These regulatory statutes commence the day they were made public in the official proclamation paper of Clausthal University of Technology at the beginning of the examination period of the winter semester 2020/21.

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Enclosure 1: Module Overview for the Master Program Intercultural Leadership and Technology

| Shared Mandatory Modules of all Fields of Study | | | | | | | |
| All of the following modules comprising 102 credit points need to be completed. | | | | | | | |
Title of the Module or Lecture	*L No.*	*L Type*	*ECTS*	*Exam Form*	*Weigh-ting*	*Graded ?*	*Exam Type*
Module 1: Innovation and Technology Management			6		6/∑		
Technology Management		OL+PL	3	ThA	1	grad.	MEx
Innovation Culture and Management		OL+PL	3				
Module 2: Strategic Management			6		6/∑		
International Strategic Management		OL+PL	3	ThA	0.5	grad.	PMEx
Business Model Management		OL+PL	3	ThA	0.5	grad.	PMEx
Module 3: Organizational Development and Leadership			6		6/∑		
Change Management: Dynamic in Organizations		OL+PL	3	ThA	1	grad.	MEx
Leadership and Leading the Change		OL+PL	3				
Module 4: Transfer Assessment 1			6		0		
Transfer Assessment 1		PT	6	ThA	0	ungrad.	PR
Module 5: Real-Life Project			6		6/∑		
Real-Life Project		S	6	ThA	1	grad.	Mex
Module 6: Business Simulation Going Global			6		0		
Business Simulation Going Global		S	6	SA	0	ungrad.	PR
Module 7: International Project Management live			6		0		
International Project Management live		S	6	SA	0	ungrad.	PR
Module 8: Theory-Practice-Reflection			6		0		
Theory-Practice-Reflection		PT	6	ThA	0	ungrad.	PR
Module 9: International Marketing and Sales			6		6/∑		
International Marketing		OL+PL	3	ThA	0.5	grad.	PMEx
Sales Management		OL+PL	3	ThA	0.5	grad.	PMEx
Module 10: Big Data Management and Analytics			6		6/∑		

Big Data Management		OL+PL	3	Ex or OEx	1	grad.	MEx
Big Data Analytics		OL+PL	3				
Module 11: German and European Leadership and Business Culture			6		0		
Leadership in German and European Companies		OL+PL	3	ThA	0	ungrad.	PR
German and European Business Culture		OL+PL	3				
Module 12: Transfer Assessment 2			6		0		
Transfer Assessment 2		PT	6	ThA	0	ungrad.	PR
Module 13: Master Thesis			30		30/∑		
Master Thesis + Colloquium		4-6 Mon.	30	Ths	1	grad.	MEx

Choice of Mandatory Electives "Intercultural Competence"
- Modules comprising a total of 6 credit points are to be selected from the Catalog of Mandatory Electives A "Intercultural Competence" and completed successfully. Additional modules can only be completed as additional exams.
- The choice of a mandatory elective is only binding with the first examination attempt. It is only possible to change the mandatory elective modules if no examination attempt was conducted in any form.

Choice of Mandatory Electives "Technical Competence"
- Modules comprising a total of 12 credit points are to be selected from the Catalog of Mandatory Electives B "Technical Competence" and completed successfully. Additional modules can only be completed as additional exams.
- The choice of a mandatory elective is only binding with the first examination attempt. It is only possible to change the mandatory elective modules if no examination attempt was conducted in any form.

<u>Catalogs of Mandatory Electives:</u>

Catalog of Mandatory Electives A "Intercultural Competence" Catalog of mandatory electives as of 01/16/2020. The list of modules offered can be updated once a year by resolution of the Senate (from WS 20/21) for the subsequent year of study. The updated lists will be published university-internally by the Study Center: [https://www.tu-clausthal.de/studieninteressierte/studiengaenge/weiterbildungsstudiengaenge/intercultural-leadership-and-technology]							
Title of the Module or Lecture	*L No.*	*L Type*	*ECTS*	*Exam Form*	*Weigh-ting*	*Graded?*	*Exam Type*
Module CE1: Leadership and Intercultural Competence in China			6		0		
Leadership in Chinese Companies		OL+PL	3	ThA	0	ungrad.	PR
Chinese Business Culture		OL+PL	3				
Module CE2: Leadership and Intercultural Competence in Russia			6		0		
Leadership in Russian Companies		OL+PL	3	ThA	0	ungrad.	PR
Russian Business Culture		OL+PL	3	ThA			

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<table>
<tr><td colspan="8">Catalog of Mandatory Electives B "Technical Competence"
Catalog of mandatory electives as of 01/16/2020. The list of modules offered can be updated once a year by resolution of the Senate (from WS 20/21) for the subsequent year of study. The updated lists will be published within the university by the Study Center: https://www.tu-clausthal.de/studieninteressierte/studiengaenge/weiterbildungsstudiengaenge/intercultural-leadership-and-technology</td></tr>
<tr><td>*Title of the Module or Lecture*</td><td>*L No.*</td><td>*L Type*</td><td>*ECTS*</td><td>*Exam Form*</td><td>*Weigh-ting*</td><td>*Graded?*</td><td>*Exam Type*</td></tr>
<tr><td>Module TE1: Cyber-Physical Systems and Cybersecurity</td><td></td><td></td><td>6</td><td></td><td>6/∑</td><td></td><td></td></tr>
<tr><td>Cyber-Physical Systems</td><td></td><td>OL+PL</td><td>3</td><td rowspan="2">ThA</td><td rowspan="2">1</td><td rowspan="2">grad.</td><td rowspan="2">MEx</td></tr>
<tr><td>Cybersecurity in Digital Transformation</td><td></td><td>OL+PL</td><td>3</td></tr>
<tr><td>Module TE2: Industrial Internet of Things and Intelligent Manufacturing</td><td></td><td></td><td>6</td><td></td><td>6/∑</td><td></td><td></td></tr>
<tr><td>Internet of Things and Industrial Internet of Things</td><td></td><td>OL+PL</td><td>3</td><td rowspan="2">ThA</td><td rowspan="2">1</td><td rowspan="2">grad.</td><td rowspan="2">MEx</td></tr>
<tr><td>Intelligent Manufacturing – Industry 4.0</td><td></td><td>OL+PL</td><td>3</td></tr>
<tr><td>Module TE3: Circular Economy and Recycling Technologies</td><td></td><td></td><td>6</td><td></td><td>6/∑</td><td></td><td></td></tr>
<tr><td>Introduction, General Challenges and Framing Conditions for a Circular Economy and Recycling Systems</td><td></td><td>OL+PL</td><td>3</td><td rowspan="2">ThA or PrA</td><td rowspan="2">1</td><td rowspan="2">grad.</td><td rowspan="2">MEx</td></tr>
<tr><td>Recycling Technologies for Waste Streams of High Resource Relevance or of Large Generated Amounts</td><td></td><td>OL+PL</td><td>3</td></tr>
<tr><td>Module TE4: Primary and Sustainable Extraction of Resources</td><td></td><td></td><td>6</td><td></td><td>6/∑</td><td></td><td></td></tr>
<tr><td>Primary Extraction of Resources</td><td></td><td>OL+PL</td><td>3</td><td rowspan="2">ThA or PrA</td><td rowspan="2">1</td><td rowspan="2">grad.</td><td rowspan="2">MEx</td></tr>
<tr><td>Sustainable Mining</td><td></td><td>OL+PL</td><td>3</td></tr>
</table>

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Explanatory Notes:

(1) Type of Lecture:		PT	Practice transfer
		S	Seminar
		PL	Lecture on campus (present)
		OL	Online lecture

(2) Examination Form:		Ex	Examination
		OEx	Oral examination
		SA	Seminar assignment
		PrA	Practical assignment
		ThA	Theoretical assignment
		SP	Seminar paper
		PA	Project assignment
		IP	Industry electives
		HA	Homework
		Exc	Excursions
		Ths	Theses

(3) Type of Examination:	PR		Performance record
		MEx	Module exam
		PMEX	Part-module exam
		P	Prerequesite

(4) Further Abbreviations:		grad.	Graded
		ungrad.	Ungraded
		L	Lecture
		Exam	Examination
		ECTS	Credit points

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Enclosure 2: Model Study Plan for the Master Program Intercultural Leadership and Technology

	1st Semester	2nd Semester	3rd Semester	4th Semester
	Innovation and Technology Management (6 ECTS)	Real-Life Project Seminar (6 ECTS)	International Marketing and Sales (6 ECTS)	Master Thesis and Colloquium (30 ECTS)
	Strategic Management (6 ECTS)	Business Simulation Going Global (6 ECTS)	Big Data Management and Analytics (6 ECTS)	
	Organizational Development and Leadership (6 ECTS)	International Project Management live (6 ECTS)	German and European Leadership and Business Culture (6 ECTS)	
	Transfer Assessment 1 (6 ECTS)	Theory-Practice-Reflection (6 ECTS)	Transfer Assessment 2 (6 ECTS)	
	Technical Elective 1 (6 ECTS)	Cultural Elective (6 ECTS)	Technical Elective 2 (6 ECTS)	
Σ ECTS	30	30	30	30