

# **Examination Regulations**

**for the Master's Program**

**Technology & Innovation Management (M.Sc.)  
- International**

**(PO1)**



**Version 2.0 of 08 August 2014**

**Preamble:**

In accordance with § 44 of the Hessian Higher Education Act (HHG) dated 14 December 2009 (GVBl. II 70-257), both the Faculty Board of the department for Industrial Engineering and Technology Management as well as the Senate of the Wilhelm Büchner University have passed the following Examination Regulations on 12 September 2014 for the Master's Program in Technology & Innovation Management - International.

**Table of Contents**

- § 1 Scope
- § 2 Admission Requirements
- § 3 Recognition of Prior Learning
- § 4 Course objectives
- § 5 Course and Examination Structure
- § 6 Required Examination Work
- § 7 Academic Requirements for the Master's Thesis
- § 8 Subject, Nature and Extent of the Master's Examination
- § 9 Master's Thesis and Oral Examination
- § 10 Academic Title
- § 11 Taking Effect

**Appendix**

Curriculum

## **§ 1 Scope**

These Examination Regulations fulfil, supplement and complement the General Examinations Rules (Allgemeine Bestimmungen für Prüfungsordnungen) of the Wilhelm Büchner University of 01 June 2012 in their respective version.

## **§ 2 Admission Requirements**

- (1) Applicants shall have completed a degree program (Master, Bachelor, German "Diplom") of 180 credit points in business administration, economics, industrial engineering or a related subject in order to be admitted to the Master's Program in Technology & Innovation Management - International. Graduates of both German and international public or private colleges of cooperative education can be admitted if their qualification is considered to be equal to a German university degree. Applicants must have achieved at least a "good" grade or grade B in the European Credit Transfer System (ECTS) in their final examination. The Examinations Committee shall make decisions on recognition of other previous qualifications (e.g. degrees in other subjects, foreign university degrees) and other cases in accordance with its function as a selection panel.
- (2) This degree course requires adequate command of the English language in order to ensure that the academic progress of applicants is not hindered by language difficulties. The applicants' command of the English language must at least correspond with level C1 of the Common European Framework of Reference for Languages (CEFR). Applicants must take proper actions to reach this level of English before starting the course.
- (3) The course serves first and foremost the advanced qualification of working persons. Hence, applicants must prove at least one year of relevant employment.

## **§ 3 Recognition of Prior Learning**

- (1) A maximum of 30 credits points can be recognized for course work if they have been earned in a Bachelor's or "Diplom" degree course of at least 7 semesters and are considered to be relevant to this Master's degree course. The Examinations Committee shall decide on recognition of such work.
- (2) Paragraph 1 is to be applied, with necessary changes made, to postgraduate courses which award ECTS credit points.

#### **§ 4 Course Objectives**

- (1) The Master's degree course in Technology & Innovation Management is a research oriented degree course. It enables graduates in economics and related subjects to take on complex leadership responsibilities on a self-responsible and scientifically sound basis in internationally operating organizations with a technical orientation.
- (2) Students gain an understanding of the key success factors of technology-based German Engineering and how to apply these in their working environment. The course deepens and broadens students' knowledge in the areas of Technology and Innovation Management as well as General Management in an international and technical context. It equips students with a broad foundation in a specialist technology subject of the student's own choice. Students demonstrate their research skills with a Research proposal, a Literature Review and the subsequent Master's thesis.

#### **§ 5 Course and Examination Structure**

- (1) The regular period of study is four semesters (*Leistungssemester*) with 120 credit points (CP)<sup>1</sup>. This includes all course work and examinations required for the modules. One credit point corresponds to a workload of 30 hours.
- (2) The modular structure of the curriculum, covering credit points which have to be achieved, examinations and also course work certificates, is illustrated in the appendix to these Examination Regulations.
- (3) The list of core and elective modules with the different aspects of technology can be modified and added to by the faculty for modernization and further development of the course.

#### **§ 6 Required Examination Work**

- (1) The nature and extent of the continuous assessments of each module are detailed in the Appendix.

#### **§ 7 Academic Requirements for the Master's Thesis**

- (1) Admission to the Master's thesis requires candidates to meet the following requirements:
  - a) requirements in accordance with § 9 of the general examinations rules (*Allgemeine Bestimmungen für Prüfungsordnungen*),
  - b) evidence of passed continuing assessments (Appendix),
- (2) Candidates can be admitted to the Master's thesis if they have no more than 2 continuous assessments of the 3<sup>rd</sup> or 4<sup>th</sup> curriculum semester outstanding. The missing assessments must have been completed at the time of the oral examination at the latest.

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<sup>1</sup> The Wilhelm Büchner University uses the word „Leistungssemester“ to indicate the workload. The total number of credits assigned to a *Leistungssemester* is 30 CP. This contrasts with a curricular semester which lasts six months.

### **§ 8 Subject, Nature and Extent of the Master's Examination**

The Master's examination comprises:

- a) continuing assessments,
- b) the Master's thesis including the oral examination.

### **§ 9 Master's Thesis and Oral Examination**

- (1) The lead time for the Master's thesis is six (6) months. Topic, remit and extent of the Master's thesis are to be defined by the supervisor in such a way as to ensure that the lead time for the Master's thesis can be adhered to.
- (2) An extension may be granted for reasons for which the person to be examined cannot be held responsible; the extension should not exceed two (2) months. The examination board shall decide on such extensions.
- (3) The oral examination on the subject of the Master's thesis completes the Master's Examination. The result of the oral examination is to be taken into account when determining the overall result of the Master's thesis.

### **§ 10 Academic Title**

Wilhelm Büchner University, following successful completion of the Master's Program, issues the academic title Master of Science (M.Sc.).

### **§ 11 Taking Effect**

These Examination Regulations shall take effect as of 12 September 2014.

**Appendix: Curriculum**

<b>Modules</b>	<b>CP</b>	<b>Type of examination</b>	<b>In semester</b>
<b>Technology Fields</b>	<b>24</b>		
Mathematics for Technology Managers	6	B	1
Technology 1: Foundation *	6	B	1
Technology 2: Application *	6	B	2
Technology 3: Compulsory elective *	6	B	3
<b>General Management</b>	<b>18</b>		
International Management & Intercultural Communication	6	B	1
Organizational Development	6	K	2
Collaboration Engineering	6	K	3
<b>Technology and Innovation Management</b>	<b>36</b>		
Quality Management	6	K	1
Innovation Management	6	K	1
Lean Six Sigma	6	B	2
Innovation Strategies	6	K	2
Technology Management	6	K	3
R&D Management	6	K	3
<b>Research Focus and Thesis</b>	<b>42</b>		
Business Research Methods	6	B	2
Research Project Technology & Innovation Management	10	B	3,4
Master's Thesis & Virtual Oral Examination	26	B/M	4

\*) See list of required elective modules in the current module catalogue.

<b>Notes and abbreviations:</b>		
Modules	subject areas and modules	
CP	ECTS Credit Points	
in semester	the Master's degree program is divided into 4 curricular semesters	
type of examination	work required for this module	
	K	Written examination; duration 120 minutes
	B	B exam, graded written paper, continuous assessments in the research project
	M	Oral examination; duration between 15 and 30 minutes