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First statute for the amendment of the revised
Study and Examination Regulations
of the
Master's Program Operations Research and Business Analytics
of the
Faculty of Economics at Otto von Guericke University Magdeburg
Dated by: 16.05.2022

Pursuant to § 13 paragraph 1, sentence 1, of the Higher Education Act of the State of Saxony–Anhalt in the version of publication from 14 December 2010 (GVBl. LSA S. 600, 2011; p. 561), as last revised by § 1 of the Act from 18 January 2021 (GVBl. LSA p. 10), Otto von Guericke University Magdeburg has enacted the following statutes:

Article 1

The revised “Study and Examination Regulations” (SPO) for the master's degree program in Operations Research and Business Analytics of the Faculty of Economics and Management at Otto von Guericke University Magdeburg from 07 March 2018, as amended on 26 June 2019 (Official Announcement # 32/2019 dated 25 July 2019) are amended by the following:

1. **§ 2 Program Objective:**

§ 2 paragraph 2 is amended as follows:

- In sentence 1, the words „computer science „are omitted.
- Sentence 2 is replaced with:

“Furthermore, students acquire basic methodological competencies from the disciplines of operations research and business analytics and can expand on these competencies in the areas of specialization.“

§ 2 paragraph 3 is amended as follows:

- In sentence 3, “e.g.“ will be placed before supply chain management.

§ 2 paragraph 4 is amended as follows:

- In sentence 1, “in particular“ is replaced with “for one“.
- In sentence 2, “also“ is replaced with “on the other hand“.

§ 2 paragraph 5 is amended as follows:

- Bullet point 2 is replaced with the following:

“Students possess the ability to analyze existing mathematical methods for solving problems of decision–making or, if necessary, to develop new methods.“

- Bullet point 4 is replaced with the following:

“Students will be able to analyze business issues (with a focus on supply chain management, operations, logistics, capital markets, finance and risk management) and model them quantitatively (i.e. using operations research approaches), including in software–based solutions.“

2. **§ 4 Admission to the Course of Study**

§ 4 paragraph 1 bullet point 3 is amended as follows:

- The sentence "The form provided online is required to be used for the motivation letter." follows after sentence 1.
- The number "400" is amended to "450".

3. **§ 5 Duration of Studies and Start**

Sentence 2 is amended to the following:

"The study program can only be begun in the winter semester."

4. **§ 6 Organization and Scope of Studies**

§ 6 paragraph 1 is amended as follows:

"According to § 8 para. 1–2, the study program is divided into two fundamental areas "Operations Research" with at least 15 CP and "Business Analytics" with at least 15 CP, into a specialization area with at least 60 CP and into the module "Master's Thesis" with a scope of 30 CP."

5. **§ 7 Course Structure**

§ 7 paragraph 1 is amended as follows:

- "compulsory elective and elective modules" is amended to "compulsory elective modules".

§ 7 paragraph 3 shall be omitted.

6. **§ 8 Compulsory Elective and Elective Modules**

The title of § 8 is amended to "Compulsory Elective Modules"

§ 8 paragraph 1 is amended to the following:

"In the fundamental areas of "Operations Research" and "Business Analytics", at least 15 CP must be attained in each area."

§ 8 paragraph 2 is amended to the following:

"In the area of specialization, compulsory elective modules amounting to at least 60 CP must be obtained. The compulsory elective modules are to be selected in such a way that the area of specialization comprises at least one seminar (10 CP) and exactly one scientific project (15 CP)."

§ 8 paragraph 3 shall be omitted.

§ 8 paragraph 4 is amended to the following:

- For this section, the German vocabulary listed in the German binding version shall prevail.
- "as well as the offering of elective modules as per paragraph 3" shall be omitted.

§ 8 paragraph 5 is amended as follows:

"compulsory elective or elective modules" is amended to "compulsory elective modules".

§ 29 Overall Master's Degree Result

§ 29 paragraph 1 is amended as follows:

"compulsory elective and elective modules" is amended to "compulsory elective modules".

**Appendix 1: Study & Examination Schedule Operations Research and Business Analytics
(where studies commence in the winter semester)**

- The appendix is renamed to Appendix 1: Study & Examination Schedule Operations Research and Business Analytics". Appendix 1 now reads as follows:

Appendix 1: Study & Examination Schedule Operations Research and Business Analytics

No.	Module / Modules	1st Semester (WS)			2nd Semester (SS)			3rd Semester (WS)			4th Semester (SS)		
		SWH	AT	CP	SWH	AT	CP	SWH	AT	CP	SWH	AT	CP
1a.	Compulsory Elective Modules on Business Analytics												
1.1	Module I	*	*	5									
1.2	Module II	*	*	5									
1.3	Module III				*	*	5						
1b.	Compulsory Elective Modules on Operations Re- search												
1.5	Modul IV	*	*	5									
1.6	Modul V				*	*	5						
1.7	Modul VI				*	*	5						
2.	Compulsory Elective Modules in Specialization												
2.1	Module VII	*	*	5									
2.2	Module VIII	*	*	5									
2.3	Module IX	*	*	5									
2.4	Module X				*	*	5						
2.5	Module XI							*	*	5			
2.6	Module XII							*	*	5			
2.7	Module XIII							*	*	5			
2.8	Seminar				2S+*	P,APa+*	10						
2.9	Scientific Project							2S+*	*	15			
3.	Master's Thesis												30
3.1	Master's Thesis Seminar										2S	P	
3.2	Written Thesis Paper											APa	
	Total	~24		30	~20		30	~16		30	2		30

Appendix 2: Study & Examination Schedule Operations Research and Business Analytics (where studies commence in the summer semester)

Appendix 2 shall be omitted.

Appendix 3: Evidence of English Language Skills:

Appendix 3 paragraph 1 is amended resp. supplemented to:

TOEFL	TOEFL: C1 level (iBT 95-120 points)
Graduate Management Admission Test [GMAT]	550 in total
Graduate Record Examination [GRE]	Quantitative part: 148 and Verbal part: 143

- Appendix 3 paragraph 2 shall be omitted.
- Appendix 3 paragraph 3 is amended to the following:
“Proof of at least 30 credit points (CP) in English–language modules in a degree program within the European Union in which the European Credit Transfer System (ECTS) applies.“
- Appendix 3 paragraph 4 shall be omitted.
- Appendix 3 paragraph 5 is amended as follows:
“8 points“ is amended to “10 points“.

**Article 2
Enactment**

These regulations shall enter into effect on the day subsequent to their publication in the official announcements of Otto von Guericke University.

Issued by resolutions of the Faculty Council of the Faculty of Economics and Management dated April 06, 2022 and the Senate of Otto von Guericke University Magdeburg dated April 27, 2022 and authorized by the President of Otto von Guericke University Magdeburg.

Magdeburg, April 29, 2022

Prof. Dr.–Ing. Jens Strackeljan
President
Otto von Guericke University Magdeburg

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