

**Legal note: This document constitutes a non-official translation of the examination regulations.
Only the German version is binding.**

The following is the wording of the examination regulations for the Master's degree programme as it results from

- the version of the regulations from 23rd October 2019 (Brem.ABl. S. 1308) and
- the regulations amending the subject-specific examination regulations for the Master's degree programme for the Master's programme "Medical Biometry/Biostatistics" at the University of Bremen of 8th November 2023 (Brem.ABl. S. 1324)

Information on the content of the individual amendment regulations and the entry into force of the provisions contained therein cannot be presented here.

Subject-specific examination regulations for the Master's programme

"Medical Biometry/Biostatistics" at the University of Bremen

From November 8th 2023

These subject-specific examination regulations apply in conjunction with the general part of the Examination regulations for Master's degree programmes (AT MPO) at the University of Bremen of 27. January 2010 in the respectively valid version.

§1

Scope and degree of study

(1) For the successful completion of the Master's programme "Medical Biometry/Biostatistics", a total of 120 Credit Points (CP) must be earned according to the European Credit Transfer and Accumulation System (ECTS). This corresponds to a standard period of study of 4 semesters.

(2) On the basis of the Master's examination passed, the degree

Master of Science
(abbreviated M.Sc.)

will be awarded.

§2

Course structure, modules and credit points

(1) The Master's degree programme "Medical Biometry/Biostatistics" is offered as a Master's degree programme in accordance with § 4 article 1 sentence 1 AT MPO studies.

(2) The course of study is structured as follows:

a) Master's thesis in the scope of 30 CP

b) compulsory modules amounting to 87 CP including an internship and

c) electives amounting to 3 CP. For the elective area, modules from related or content-related disciplines of the faculty 3 and on the basis of a cooperation agreement with faculty 11 can be successfully completed. These are, for example:

- Computer Science,
- Statistics,
- Special areas of epidemiology,
- Public health.

In addition, after prior consultation with the specialist consulting further modules can be acknowledged on request by the examination board for this elective range.

(3) Annex 1 sets out the recommended course of study, while Annex 2 regulates the examinations which are to be taken.

(4) Modules are held as compulsory or elective modules.

(5) The compulsory and optional modules provided for in the curriculum are offered every two years.

(6) Modules in the compulsory area will be held in English, modules in the elective area in German or in English.

(7) The courses assigned to each module are listed in the module descriptions.

(8) Courses are held in accordance with § 6 paragraph 1 AT MPO. Further courses can be specified by decisions of the vice-president's office.

(9) The course of study includes an obligatory internship between the 2nd and 3rd semesters in the amount of 6 CP (corresponds to approx. six weeks). Further details can be found in the internship regulations.

§ 3

Examinations

(1) Examinations are carried out in the forms specified in §§ 8 AT MPO and the regulations of the University of Bremen for conducting electronic examinations (DigiPrüfO UB/Digitalprüfungsordnung) in the respective valid version. Further forms of examination are listed and described in Annex 3. In individual cases, the examination board may, at the request of an examiner, permit further forms of examination.

(2) Pursuant to § 20 paragraph 4 AT MPO, a repeat examination may be held in a different form than originally carried out.

(3) Processing deadlines and the scope of examinations shall be communicated to the students at the beginning of the course module.

(4) – not applicable -

§ 4

Recognition and crediting

The recognition or crediting of services is carried out in accordance with § 22 AT MPO in the valid version in each case.

§ 5

Admission requirements for modules

With the exception of § 6 paragraph 2, there are no admission requirements for modules.

§ 6

Module Master thesis (including the colloquium)

- (1) The module Master Thesis (30 CP) consists of the Master Thesis including a colloquium.
- (2) Prerequisite for the registration of the Master's thesis (incl. colloquium) is a proof of at least 60 CP.
- (3) The deadline for the Master's thesis is 26 weeks. The examination board may authorize a single extension for a maximum of 8 weeks on reasoned request.
- (4) The Master's thesis is written as an individual or group thesis with up to 2 persons. In the case of a group thesis, the contribution of each individual group member must be clearly recognizable, delimitable and assessable.
- (5) The Master's thesis will be written in English. On request, the examination board can authorize other languages, provided that supervision and evaluation are ensured.
- (6) There will be a colloquium on the Master's thesis. For the Master's thesis and colloquium, a common module grade is generated. The Master's thesis enters with 70% and the colloquium with 30% in the joint grade.

§ 7

Overall grade of the Master's examination

The overall grade is calculated from the module grades weighted with credit points. Unrated modules are not included in the calculation.

§ 8

Scope and coming into effect

- (1) These examination regulations shall come into effect after approval by the Rector on 1 October 2020. It shall be published in the Official Gazette of the Free Hanseatic City of Bremen. It applies to students who begin their studies in the English-language Master's programme "Medical Biometry/Biostatistics" in or after the winter semester 2020/21.
- (2) Students who began their studies in the Master's programme "Medical Biometry/Biostatistics" before the winter semester 2020/21 and are studying in accordance with the requirements of the

examination regulations of 11 July 2012, last amended on 20 June 2018, will complete their studies until September 30, 2022.

(3) The examination regulations dated 11 July 2012, last amended on 20 June 2018, expire on September 30, 2022. Students who have not completed their studies by September 30, change to the present examination regulations. The examination board decides about the recognition of exam performances on the basis of individual circumstances.

Appendices:

Appendix 1: Study plan of the Master's programme "Medical Biometry/Biostatistics"

Appendix 2: Modules and examination requirements

Appendix 3: Other forms of examination

Appendix 4: Carrying out of tests in the multiple choice procedure and carrying out of exams as "e-exams" (not applicable)

Appendix 1: Study plan of the Master's program "Medical Biometry/Biostatistics"

As a rule, the curriculum represents a recommendation for the course of studies. However, it is strongly recommended in this Master's programme to follow the recommended sequence, as the programme can only be offered every two years and the modules build on one another.

		Compulsory modules, 87 CP							Master's thesis, 30 CP	Elective, 3 CP	Σ 120 CP
1st Year	1st Sem.	BioStat-A-1 Biometrical Methods, 6 CP	BioStat-A-2 Statistical Modeling, 12 CP	BioStat-A-3 Data- management and Statis- tical Pro- gramming, 9 CP	BioStat-A-4 Basic Epidemiolo- gy, 6 CP	BioStat-B-1 Clinical / Diagnostic Trials, Laws, Guidelines and Ethics, 15 CP	BioStat-C-1 Internship, 6 CP	BioStat-B-2 Fundament als of Medicine, 12 CP	Modules according to § 2 Paragraph 2 c, 3 CP	30	
	2nd Sem.									30	
2nd Jahr	3rd Sem.	BioStat-A-5 Biometrical Methods – Special Aspects, 15 CP	BioStat-A-6 Complex Statistical Modeling, 6 CP							30	
	4th Sem.							BioStat-D-1 Master's Thesis (incl. Colloquium), 30 CP		30	

CP = Credit Points, Sem. = Semester

2. Modules and examination requirements

2.1: Master Thesis

	Module Title	CP	MP/TP/KP	Allocation of the CP in partial tests	PL/SL (number)
BioStat-D-1	Module Master's Thesis (incl. Kolloquium)	30	MP	Vgl. § 6 Paragraph 6	PL: 2 SL: 0

CP = Credit Points;

MP = module exam, TP = partial exam, KP = combination exam; PL = graded component of the examination

SL = ungraded component of the examination, coursework

2.2: Compulsory Modules

	Module Title	CP	MP/TP/KP	Allocation of the CP in partial tests	PL/SL (number)
BioStat-A-1	Biometrical Methods	6	TP	Biometrical Methods, 4CP	PL: 1 SL: 1
				Exercises in Biometrical Methods, 2 CP	
BioStat-A-2	Statistical Modeling	12	TP	Statistical Modeling I, 4 CP	PL: 2 SL: 2
				Exercises in Statistical Modeling I, 2 CP	
				Statistical Modeling II, 4 CP	
				Exercises in Statistical Modeling II, 2 CP	
BioStat-A-3	Data Management and Statistical Programming	9	TP	Data Management, 4 CP	PL: 2 SL: 0
				Statistical Programming, 5 CP	
BioStat-A-4	Basic Epidemiology	6	TP	Epidemiology I, 3 CP	PL: 2 SL: 0
				Epidemiology II, 3 CP	
BioStat-A-5	Biometrical Methods – Special Aspects	15	TP	Survival Analysis, 3 CP	PL: 4 SL: 1
				Multiple Testing, 3 CP	
				Non-parametric Statistics, 3CP	
				Bayes – Statistics, 3 CP	
				Problems of Biometrical Research, 3 CP	
BioStat-A-6	Complex Statistical Modeling	6	TP	Complex Statistical Modeling, 4CP	PL: 1 SL: 1
				Exercises in Complex Statistical Modeling, 2CP	
BioStat-B-1	Clinical/Diagnostic Trials, Laws, Guidelines and Ethics	15	TP	Clinical Trials I, 4 CP	PL: 4 SL: 0
				Clinical Trials II, 4 CP	
				Ethical Aspects, Laws and Guidelines, 3 CP	
				Diagnostic Studies, 4 CP	
BioStat-B-2	Fundamentals of Medicine	12	TP	Basic Medicine and Molecular Medicine, 6 CP	PL: 3 SL: 0
				Pharmacology, 4 CP	
				Special Areas of Medicine, 2 CP	
BioStat-C-1	Internship	6	MP		PL: 0 SL: 1

CP = Credit Points;

MP = module exam, TP = partial exam, KP = combination exam; PL = graded component of the examination

SL = ungraded component of the examination, coursework

Annex 3: Other forms of examination

- Oral examination in connection with digital applications (Oral examination with applications on a computer)

- Oral presentation and moderation of a simulated "Journal Club" session (Oral presentation and moderation of a journal club): Every participant gives a short presentation on a specific epidemiological topic. Additionally, the participants prepare and moderate a Journal Club in which an epidemiological publication is presented and discussed.

- Work on exercises in the form of a portfolio in accordance with § 8 Paragraph 8 AT MPO; portfolios are explained more detailed in the module descriptions.

Appendix 4: - not applicable -