

**Memoranda of
 Justus Liebig University, Giessen**

Version of 02/02/2021	7.36.06 No. 1 Human Movement Analytics: Biomechanics, Motor Control, and Learning
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**Special Regulations for the Master's Programme in Human Movement
 Analytics: Biomechanics, Motor Control, and Learning
 of Faculty 06 – Psychology and Sports Science –
 of Justus Liebig University, Giessen**

Of 04/11/2020

These regulations shall apply from winter semester 2021/2022. Until then, the previous provisions shall continue to apply.

On the basis of section 44 (1) of the Higher Education Act of the German State of Hessen of 14 December 2009 and in addition to the General Regulations for modularised and graded Study Programmes of Justus Liebig University of 14/03/2019 (AIB), Faculty 06 – Psychology and Sports Science – enacted the following regulations on 04/11/2020:

Previous versions:

	Faculty Council	Senate	Executive Board	Proclamation
Original version	04/11/2020	16/12/2020	19/01/2021	02/02/2021
1st amended version	12/03/2021	14/04/2021	28/04/2021	17/05/2021

Table of Contents

Section 1 Scope of application (for section 1 AIB)	2
Section 2 Academic degree (for section 3 AIB)	2
Section 3 Commencement of studies (for section 5 AIB)	2
Section 4 Admission (for section 5 AIB)	2
Section 5 Workload and standard course length (for section 6 AIB).....	2
Section 6 Structure of studies (for section 7 AIB)	2
Section 7 Modules (for section 8 AIB).....	2
Section 8 Course attendance (for section 17 AIB)	3
Section 9 Module examinations (for sections 18, 23, 24 AIB)	3
Section 10 Master's examination (for section 20 AIB)	3
Section 11 Thesis (for sections 19, 21 AIB)	3
Section 12 Graded academic work (for sections 22, 23, 24 AIB)	3
Section 13 Overall grade calculation (for section 20 AIB)	3
Section 14 Entry into force and transitional provisions	3

Human Movement Analytics: Biomechanics, Motor Control, and Learning	02/02/2021	7.36.06 No. 1
---	------------	---------------

Section 1 Scope of application (for section 1 AIB)

In addition to the General Regulations for Bachelor's and Master's Degree Programmes of Justus Liebig University, Giessen of 20/02/2019 (AIB), these regulations govern studies and examinations in the master's degree programme Biomechanik-Motorik-Bewegungsanalyse (Biomechanics-Motor Skills-Movement Analytics); now called Human Movement Analytics: Biomechanics, Motor Control, and Learning.

Section 2 Academic degree (for section 3 AIB)

The Faculty 06 – Psychology and Sports Science – of Justus Liebig University Giessen shall award the academic degree Master of Science (M. Sc.) upon successful completion of studies.

Section 3 Commencement of studies (for section 5 AIB)

The degree programme can only be started in the winter semester.

Section 4 Admission (for section 5 AIB)

(1) Admission to the master's programme requires a degree in a bachelor's programme in which the necessary fundamentals for the Master's in "Human Movement Analytics: Biomechanics, Motor Control, and Learning" were taught. Graduates from defined degree programmes (see Annex Special admission requirements for the Master's programme "Human Movement Analytics – Biomechanics, Motor Control, and Learning" of Faculty 06 Psychology and Sport Science of Justus Liebig University Giessen) are considered suitable (e.g. "Exercise and Health Degree Programme", "Sport and Technology", "Biomedical Engineering" or related degree programmes, as well as teaching degrees with the subject Sport in combination with Mathematics or Physics or Computer Science). For admission to the master's programme, the prerequisite studies must comprise at least 180 credit points (CP).

(2) The examination board can also recognise other bachelor's degrees as equivalent after a case-by-case examination if it is clear from the application documents that the necessary fundamentals have been taught. In cases of doubt, an additional interview with the applicant may take place to clarify open questions. Admission may be subject to the condition of additional non-graded academic work of up to 30 CP being completed to make up for the required knowledge, proof of which must be provided within the first two semesters.

(3) In order to be admitted, students must also demonstrate a knowledge of English at level B2 of the Council of Europe's Common European Framework of Reference for Languages.

Section 5 Workload and standard course length (for section 6 AIB)

(1) The degree programme comprises 120 CP.

(2) The standard course length is 4 semesters.

Section 6 Structure of studies (for section 7 AIB)

(1) The study plan (Annex 1) provides students with information on planning their studies. Course guidance is offered especially for the choice of specialisation and extra-curricular modules.

(2) The degree programme comprises a total of 14 modules: 7 compulsory modules of 6 CP each, 2 compulsory modules of 9 CP each, 2 profile modules of 9 CP each, 2 compulsory elective modules of 6 CP each and the thesis module of 30 CP.

Section 7 Modules (for section 8 AIB)

(1) The module handbook is included in Annex 2.

(2) Compulsory elective modules can only be chosen as long as this is necessary for attaining the CP provided for in section 5 (1).

Human Movement Analytics: Biomechanics, Motor Control, and Learning	02/02/2021	7.36.06 No. 1
---	------------	---------------

Section 8 Course attendance (for section 17 AIB)

Regular attendance in all courses – except lectures – is compulsory. Regular attendance is deemed to exist if the absences do not exceed an amount of up to three hours or up to two for courses with 2 hours/week/semester (SWS) of course dates.

Section 9 Module examinations (for sections 18, 23, 24 AIB)

The examination procedure, examination forms and grade formation are set out in Annex 2 “Module descriptions”.

Section 10 Master’s examination (for section 20 AIB)

The Master’s examination is passed if the modules required pursuant to section 6 of these regulations have been passed.

Section 11 Thesis (for sections 19, 21 AIB)

(1) When registering for the thesis module, the following evidence must generally be provided:

- a) passing the modules of the first two semesters.
- b) successfully completed profile modules.
- c) examinations totalling at least 105 CP must have been passed.

The examination board shall make provisions for exceptions.

(2) The Master’s thesis shall be prepared over the course of 165 days.

(3) The thesis module can be repeated once.

Section 12 Graded academic work (for sections 22, 23, 24 AIB)

(1) Examination forms shall be:

- Portfolio: Collecting selected documents showing the result of individual work steps as part of a project or seminar topic.
- Code development and data analysis: Developing program code and applying the program code during data analysis.
- Code development and written report: Developing program code and writing down the solution path.
- Project in data analysis: Analysing data using complex mathematical-statistical methods.

The length is usually 10-40 pages.

(2) The duration of examinations shall be announced by the lecturer at the beginning of the course. The duration is 45 to 120 minutes.

(3) Oral examinations have a minimum duration of 15 minutes and a maximum duration of 45 minutes.

Section 13 Overall grade calculation (for section 20 AIB)

The overall grade is the average of all graded modules. For this purpose, the grade points are multiplied by the respective CP of the module and the sum is divided by the total number of graded CP.

Section 14 Entry into force and transitional provisions

(1) These examination regulations shall apply to all students who begin their studies in the master’s programme in Human Movement Analytics: Biomechanics, Motor Control, and Learning in winter semester 2021/22 or later.

(2) For students who commenced their studies in the master’s programme in Biomechanik-Motorik-Bewegungsanalyse (now Human Movement Analytics: Biomechanics, Motor Control, and Learning) before winter semester 2021/2022, the examination regulations for the master’s programme in Biomechanik-Motorik-

Human Movement Analytics: Biomechanics, Motor Control, and Learning	02/02/2021	7.36.06 No. 1
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Bewegungsanalyse of 16/09/2010, in force since 16/09/2010, last amended by the 6th Amended version, shall continue to apply, but no later than until 31 September 2023. After the end of the transition period, only these examination regulations shall apply.

(3) Students under the old examination regulations have the right to continue and complete their studies under the new examination regulations at any time. This requires a binding declaration to be made to the examination board.

Giessen, 19/01/2021

Prof. Joybrato Mukherjee

President of Justus Liebig University, Giessen