Title of Module (English): Title of Module (German): Degree Programme: Module Number			Data Acqu	Data Acquisition and Data Analysis									
			Datenerhe	Datenerhebung und Datenanalyse									
			Bachelor o	Bachelor of Science "Human Movement in Sports and Exercise"									
			ber : 10	:: 10 Status : [X]		Mandatory Module		[] Elective Module					
2	Frequency: W Se		[] Every semester [X] Every winter semester [] Every summer semester	Duration: [X	1 mester] 2 mesters	Semester: 3-4		CP : 14	Workload (h): 420				
3	Module Structure: No. Type Course		Status (manda electivo		•		Attendance (h + SWS ¹⁹)		Individual Study Time (h)				
	1	S	Ethical Issues	in Research	[X] m	[]e	2	30 (2 SWS	S)	30			
	2	S		ata Acquisition ysis (a total of 3	[X] m	[]e	12	90 (6 SWS)		270			
4	Content of Module: The objective of this module is to enable students to actually use and apply specific research methods in the field of sports and exercise. The students will be offered a wide range of course ensure their methodological breadth. Within the module, one course (Seminar 1, offered in the semester of the module) conveys ethical standards of conducting research, ensuring that stude understand that the application of research methods necessitates detailed knowledge of ethical issues in the field. Students freely choose three methods seminars (each of 4 CP) from the counoffer. Seminars may include, but are not limited to "Experimental Stimulation", "Imaging Method "Kinematic Analysis", "Motor Testing", "Multivariate Statistics", "Mathematical Modelling", "Behad Data Acquisition", "Molecular Lab Techniques", "Neuroscience", or "Electrophysiology". Within courses, students deepen their understanding of research by acquiring and analysing data from research projects.												
5	Learning Outcomes: The students know and understand the ethical issues raised when performing research. They are also able to act according to the standard rules of ethical research. They are able to provide adequate information for study participants, to prepare informed consent, to use code lists appropriately, and know how to write an ethical grant application. Students also know and have in-depth knowledge on how to apply specific research methods, e.g. how to conduct and evaluate a three-dimensional movement analysis. They will be able to apply these research methods to relevant research questions.												
6	Options within the Module: Students freely choose three methods seminars from the course offer. The class "Ethical Issues in Research" is mandatory.												
7		Type of Examination: [] Final Module Examination [] Module Examination [X] Component Examinations											

Degree-Relevant Examination(s):

¹⁹ SWS (Semesterwochenstunden) = hours of instruction per week

	Number and form (e.g. written examination, oral examto course no. 20:	Duration or length	Weighting of grade for module grade in %						
	Oral Examination in one seminar (pass/fail)	15 min							
	Poster in one seminar (pass/fail; different seminar from mentioned above for an oral examination)	m the one	DIN A0						
	Required Coursework:								
	Number and form; assigned to course no.:	Duration or length							
9	Short and extensive coursework is necessary for the post-processing of courses. Short and extensive cour (approx. 1–2 pages) and written/oral assignments (apminutes), respectively. The type of coursework will be of the course. Duration and extent of coursework will underlying workload.								
10	Requirements for Obtaining Credits (CP): The credit points of the module are awarded when the entire module, i.e. all degree-relevant examinations and all required coursework, has been completed successfully.								
11	Weighting of Module Grade in Calculation of Final Overall Grade: 0%								
12	Admission to Module:								
	Successful completion of M1 and M2 is strongly recommended.								
13	Attendance: In all courses, 100% participation is recommended. In the seminar S1, 80% attendance is mandatory due to the particular importance of this seminar for research. In all other seminars, 80% attendance is also mandatory due to the fact that each stage in the acquisition of research methods builds upon the previous stage.								
14	This Module is also an Element of the Following Degree Programmes:								
15	Module Coordinator: Fa	culty:							
	Prof. Dr. H. Wagner FB	07							
16	Additional Information: All seminars are in English. All reading and writing assignments will be in English, as well as all exams and presentations.								

²⁰ Not applicable to final module examination