

Module description: M.Sc. 'Sports Exercise and Human Performance'

M1 Sport and Exercise Psychology

Degree Program	M.Sc. Sports, Exercise and Human Performance
Module	Sport and Exercise Psychology
Module Number	M1

1	Basic information	
Semester	1.+ 2.	
Credit points (CP)	10	
Workload (h) - total	300	
Duration of module	2 semesters	
Status of module	mandatory module	

2	Profile
Objective of the module/integration into the curriculum	
The students will intensively and in-depth prepare specialist scientific concepts and theories from the scientific field of sports psychology and their application. The module serves as a basis for the application and research-oriented modules M6 - M8 and is complemented by the methods taught in module 4.	
Content of Module	
Concepts and current research results in the field of sport psychology will be discussed and reflected upon (e.g. in the area of social processes in sport, expertise, promotion of health-relevant behavior). This selection is made with a view to the 2nd seminar, "Applications and Interventions in Sport and Exercise Psychology", in which the students deal with applications and interventions on the one hand from a theoretical point of view, but also by practicing practical skills (interviewing, planning, creating, and evaluating intervention programs) with the subject matter (e.g. psychological training in competitive sports, sport psychological interventions in health sports). This is also done directly in contact with the practical field (e.g. athletes, trainers, health-oriented groups, clubs, associations, health insurance companies).	

Learning outcomes
The students know the current state of research in the respective content areas, can classify new research results with regard to their relevance and identify research gaps due to the connection to the current research practice of the work areas. They can reflect on the research designs and methods used with regard to their innovative content and their deficits. They have acquired relevant basic skills (in particular the conduct of client interviews, the planning and implementation of individual, group and institutional interventions and their evaluation) and are able to apply theoretically and practically acquired knowledge directly in counseling situations.

3 Module Structure						
Components of module						
No.	Type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S		Theories, Models and Approaches in Sport & Exercise Psychology I	m	30 (2 SWS)	30
2	S		Theories, Models and Approaches in Sport & Exercise Psychology II	m	30 (2 SWS)	30
3	S		Applications and Interventions in Sport and Exercise Psychology	m	30 (2 SWS)	60
4	P		Inter-module self-study	m		90
Options within the Module						
none						

4 Examination concept					
Degree-Relevant Examination(s)					
No.		Type	Duration/ Length	course no.	Weighting for Module Grade
1		Final Module Examination - Oral	30 min.	1+3	100%
Weighting of Module Grade for Final Overall Grade		10%			
Required Coursework					
No.	Type			Duration/ Length	course no.
1	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.				1

2	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.		2
3	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. In the third seminar the study requirement is more comprehensive due to the practical application.		3

5	CP - Distribution	
Attendance (= time of presentness)	LV No. 1	1 CP
	LV No. 2	1 CP
	LV No. 3	1 CP
Degree-Relevant Examination(s)	No. 1	3 CP
Required Coursework	No. 1	1 CP
	No. 2	1 CP
	No. 3	2 CP
Sum CP		10 CP

6	Requirements	
Module related participation requirements	none	
Credit points	The credit points for the module are awarded when the module has been successfully completed, i.e. when it has been demonstrated that the learning outcomes assigned to the module have been achieved.	
Attendance	In courses 1 and 3, 100% attendance is recommended. An attendance of 80% is required, as it is necessary to guide the students in an interactive way to extensive knowledge and competence gains. Students who exceed the number of permitted absences will forfeit their examination entitlement. For course 2 a 100% attendance is recommended.	

7	Module offer	
Cycle/Timing	two-semester module, starting in the winter semester	
Module Coordinator/Faculty	Prof. Dr. Bernd Strauß / Dr. Dennis Dreiskämper	FB 07

8	Mobility/Recognition	
Usability in other study programs	none	
Module title	see title	
English Translation of module component of field 3	are in English	

9	Additional Information	

M2 Human Movement and Motion

Degree Programme	M.Sc. Sports, Exercise and Human Performance
Module	Human Movement and Motion
Module Number	M2

1	Basic information
Semester	1.
Credit points (CP)	10
Workload (h) - total	300
Duration of module	1 semester
Status of module	mandatory Module

2	Profile
Objective of the module/integration into the curriculum	
<p>On the one hand, a sound understanding of human movement requires in-depth biomechanical knowledge. On the other hand, motor control and learning is a scientific discipline in which the mechanical properties of humans, including the active and passive musculoskeletal system, are combined with the findings of cognitive neuroscience to enable a sound understanding of the complex control of, in particular, athletic movements.</p>	
Content of Module	
<p>Classical and current theories of motor control of movements will be discussed, in particular the physiological basis of the sensorimotor system will be analyzed in depth. Based on these physiological relationships, the existing theories of motor control and motor learning can be critically discussed.</p>	
Learning outcomes	
<p>The students deepen their basic knowledge of theories of movement science, i.e. theoretical concepts and experimental methods in biomechanics as well as current theories of motor control and motor learning. In particular, students will be able to interpret, for example, a kinematic analysis of human movements and the resulting measurement data as well as muscular activations using the method of electro-myography. They transfer these findings to current research questions concerning human movement. By transferring this in-depth knowledge, current research results can be critically discussed and further research designs for specific problems can be developed. They recognize motor learning and the motor role of human movement as a complex dynamic system and use current methods of the theory of complex dynamic systems to analyze kinematic and dynamic data sets.</p>	

3 Module Structure						
Components of module						
No.	Course type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S		Advanced Theories in Motor Control and learning	m	(45) 3	60
2	S		Biomechanics of Human Movement	m	(45) 3	60
3	P		Inter-module self-study	m		90
Options within the Module						

4 Examination concept					
Degree-Relevant Examination(s)					
No.		Type	Duration/ Length	course no.	Weighting for Module Grade
1		Written Examination	120 min	1+2	100%
Weighting of Module Grade for Final Overall Grade			10%		
Required Coursework					
No.	Type			Duration/ Length	
1	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.				1
2	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.				2

5	CP - Distribution	
Attendance (= time of presentness)	LV No. 1	1,5 CP
	LV No. 2	1,5 CP
Degree-Relevant Examination(s)	PL No. 1	3 CP
Required Coursework	SL No. 1	2 CP
	SL No. 2	2 CP
Sum CP		10 CP

6	Requirements	
Module related participation requirements	none	
Credit points	The credit points for the module are awarded if the module has been successfully completed overall, i.e. it has been demonstrated by passing all examinations and coursework that the learning outcomes assigned to the module have been acquired.	
Attendance	In all courses, 100% participation is recommended. However, in the seminars, 80% attendance is necessary because personal guidance and feedback when handling data can only be given within class. Anyone who exceeds the number of permitted absences forfeits their right to take the examination.	

7	Module offer	
Cycle/Timing	every WS	
Module Coordinator/Faculty	Prof. Dr. Heiko Wagner	FB 07

8	Mobility/Recognition	
Usability in other study programs	none	
Module title	see title	
English Translation of module component of field 3	are in English	

9	Additional Information	

M3 Exercise and Sports Biology

Degree Programme	M.Sc. Sports, Exercise and Human Performance
Module	Exercise and Sports Biology
Module Number	M3

1	Basic information	
Semester	1.+2.	
Credit points (CP)	10	
Workload (h) - total	300	
Duration of module	1 semester	
Status of module	mandatory Module	

2	Profile
Objective of the module/integration into the curriculum	
<p>The students work in depth on scientific concepts and theories from the fields of sports biology and prepare them in the context of training science. This includes, for example, the identification of training-induced loads and their stresses in the human body as well as the implementation of effective intervention programs and their effects on performance.</p>	
Content of Module	
<p>Topics from the various fields of application of training science (including competitive sports, fitness sports, health sports, and sports for the elderly) are covered in depth. For example, sport type analyses, talent diagnostics or process-accompanying training research from the field of performance sports, nutrition and fitness from the field of fitness sports or health-scientific basics and training-scientific aspects of elderly sports.</p>	
Learning outcomes	
<p>Students acquire in-depth knowledge and the basic skills to successfully apply training science theories and their biological backgrounds to record and change human performance and movement. In the various fields of application of training science (e.g. competitive sports, old-age sports), they can specifically address the special clientele and independently and successfully apply modern diagnostic procedures, interpret the results in context and implement them together with trainers or therapists or the athletes and patients.</p>	

3 Module Structure						
Components of module						
No.	Course type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S		Sports Biology	m	(30) 2	60
2	S		Advanced Theories in Human Performance and Exercise	m	(30) 2	30
3	S		Applications of Training in Sports and Exercise	m	(30) 2	30
4	P		Inter-module self-study	m		90
Options within the Module						
none						

4 Examination concept					
Degree-Relevant Examination(s)					
No.		Type	Duration/ Length	course no.	Weighting for Module Grade
1		Written exam	120 min.	1+2+3	100%
Weighting of Module Grade for Final Overall Grade			10%		
Required Coursework					
No.	Type			Duration/ Length	course no.
1	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.				1
2	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.				2
3	Short and extensive coursework is required for preparation, realization and post-processing.				3

	Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.		
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5	CP - Distribution		
Attendance (= time of presentness)	LV No. 1	1 CP	
	LV No. 2	1 CP	
	LV No. 3	1 CP	
Degree-Relevant Examination(s)	PL No. 1	3 CP	
Required Coursework	SL No. 1	2 CP	
	SL No. 2	1 CP	
	SL No. 3	1 CP	
Sum CP		10 CP	

6	Requirements		
Module related participation requirements	none		
Credit points	The credit points for the module are awarded if the module has been successfully completed overall, i.e. it has been demonstrated by passing all examinations and coursework that the learning outcomes assigned to the module have been acquired.		
Attendance	In all courses, 100% participation is recommended. 80% attendance is mandatory because students need to be guided on an interactive basis to acquire the extensive knowledge and competencies within this module. Anyone who exceeds the number of permitted absences forfeits their right to take the examination.		

7	Module offer		
Cycle/Timing	two-semester module, starting in the winter semester		
Module Coordinator/ Faculty	Prof. Dr. Claudia Voelcker-Rehage	FB 07	

8	Mobility/Recognition		
Usability in other study programs	none		
Module title	see title		
English Translation of module component of field 3	are in English		

9	Additional Information		

M4 Advanced Research Methods

Degree Programme	M.Sc. Sports, Exercise and Human Performance
Module	Advanced Research Methods
Module Number	M4

1	Basic information
Semester	1+2
Credit points (CP)	20
Workload (h) - total	600
Duration of module	2 semesters
Status of module	mandatory Module

2	Profile
Objective of the module/integration into the curriculum	
The aim is to acquire in-depth methodological competencies complementary to the contents of modules 1 to 3, in order to be able to apply them jointly in later modules in specialized research fields.	
Content of Module	
<p>In this module, advanced statistical techniques (multilevel methods, structural levelling models, Big Data, etc.) for the analysis of experimental data and alternative data sources will be taught. In addition, this module will deepen methodological skills for experimental analysis of human movements in the areas of kinematic analysis, dynamic analysis of movements and also measurement of electromyographic and neuroscience data. Thus, further experimental possibilities of measurement are introduced and applied (e.g., fNIRS, EEG, etc.). These experimental skills can be taught to the students due to the excellent conditions in the movement laboratory. Since computational models are increasingly being developed for the explanation and in-depth analysis of experimental measurement data with theoretical models, the development and application of such movement science models will also be deepened in the courses of the module.</p>	
Learning outcomes	
<p>Students learn modern methods with which human motion can be analyzed. Complex data sets are generated, which are analyzed automatically using advanced statistical techniques. Motion analysis is performed theoretically and on practical examples, with particular emphasis on inverse dynamics methods. Modern computer technology is used to test theories of movement control and neural processing in the field of sensorimotor functions on forward dynamic models. For this purpose, the students use current research results from the participating fields of work and international journals.</p>	

3 Module Structure						
Components of module						
No.	Course type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S		Analysis of Complex Datasets Employing Advanced Statistical Methods 1	m	(30) 2	30
2	S		Analysis of Complex Datasets Employing Advanced Statistical Methods 2	m	(30) 2	15
3	S		Inverse Dynamics of Human Movement	m	(60) 4	45
4	S		Forward dynamics	m	(60) 4	45
5	S		Neurodynamics of Human Movement 1	m	(30) 2	15
6	S		Neurodynamics of Human Movement 2	m	(30) 2	30
7	P		Inter-module self-study	m		180
Options within the Module						
*In general, Forward dynamics is always offered as seminar 3, on demand and request, further elective courses for methodological deepening are also possible.						

4 Examination concept					
Degree-Relevant Examination(s)					
No.		Type	Duration/ Length	course no.	Weighting for Module Grade
1		Written Exam	60 min	1+4	50%
2		Written Exam	60 min	2+3	50%
Weighting of Module Grade for Final Overall Grade			10%		
Required Coursework					
No.	Type			Duration/ Length	course no.
1	Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.				1

2	<p>Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.</p>		2
3	<p>Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.</p>		3
4	<p>Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.</p>		4
5	<p>Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.</p>		4
6	<p>Short and extensive coursework is required for preparation, realization and post-processing. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes), poster presentation or written seminar paper. The depending type of coursework will be announced at the beginning of the seminar. Length and extent are oriented on the respective content. Max. 2 of the mentioned coursework requirements will be demanded per seminar, e.g., one protocol and one oral examination.</p>		4

5 CP - Distribution		
Attendance (= time of presentness)	LV No. 1	1 CP
	LV No. 2	1 CP
	LV No. 3	2 CP
	LV No. 4	2 CP
	LV No. 5	1 CP
	LV No. 6	1 CP
Degree-Relevant Examination(s)	PL No. 1	3 CP
	PL No. 2	3 CP
Required Coursework	SL No. 1	1,0 CP
	SL No. 2	0,5 CP
	SL No. 3	1,5 CP
	SL No. 4	1,5 CP
	SL No. 5	1,0 CP
	SL No. 6	0,5 CP
Sum CP		20 CP

6 Requirements	
Module related participation requirements	none
Credit points	The credit points for the module are awarded when the module has been successfully completed, i.e. when it has been demonstrated that the learning outcomes assigned to the module have been achieved.
Attendance	In all courses, 100% attendance is recommended. An attendance of 80% is required, as it is necessary to guide the students in an interactive way to extensive knowledge and competence growth. Students who exceed the number of permitted absences will forfeit their right to take exams.

7 Module offer		
Cycle/Timing	2-semester module, starting in WiSe each year	
Module Coordinator/ Faculty	Prof. Dr. Heiko Wagner	FB 07

8 Mobility/Recognition	
Usability in other study programs	none
Module title	see title
English Translation of module component of field 3	are in English

9 Additional Information	

M5 Skills in Scientific Labor Markets

Degree Programme	M.Sc. Sports, Exercise and Human Performance
Module	Skills in Scientific Labor Markets
Module Number	M5

1	Basic information
Semester	2. + 4.
Credit points (CP)	16
Workload (h) - total	480
Duration of module	2 semesters
Status of module	mandatory Module

2	Profile
Objective of the module/integration into the curriculum	
In this module, students are oriented about research funding, research project planning, and the leadership challenges specific to the profession (Funding and Planning research seminar).	
Content of Module	
<p>In the seminar "Management and leadership in research", students are oriented about the specifics of management and personnel leadership in the research field. Since work in research, research application and knowledge transfer requires the ability to communicate complex research and evaluation results effectively to decision-makers, the seminar "Communicating research" provides basic insights into scientific communication. Finally, in two courses of the Career Service, students reflect on their professional goals as well as their individual competence profile and develop job search and application strategies. Preferably, students should attend one course each in the area of "Career Orientation" and "Job Search and Application". Since most of the Career Service events are offered in German, non-German-speaking students can alternatively take German language courses.</p>	
Learning outcomes	
<p>Students become familiar with different research funding organizations and their expectations and requirements. They acquire basic competencies in the planning of research projects as well as knowledge about the specifics of leadership in research organizations. Furthermore, students will have the opportunity to acquire and test practical skills in the preparation of research results. Finally, the seminar content qualifies students to analyze the current job market, to build and use social networks and to develop their own profile. These skills are, among other things, the basis for success in job applications and entry into the professional world.</p>	

3 Module Structure						
Components of module						
No.	Course type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S	online/ block	Funding and Planning Research	m	(2) 30	60
2	S		Management and Leadership	m	(2) 30	60
3	S	block	Communicating Research	m	(2) 30	60
4	S	block	Course Provided by the Career Service Preferably on Job Field Occupation	m	(1) 15	30
5	S	block	Course Provided by the Career Service Preferably on Job Search and Application	m	(1) 15	30
4	P		Inter-module self-study	m		120
Options within the Module						
The courses in LV 4 and 5 are freely selectable as needed.						

4 Examination concept					
Degree-Relevant Examination(s)					
No.		Type	Duration/ Length	course no.	Weighting for Module Grade
1		Term Paper "Management and Leadership"	10 Pages	2	50%
2		Oral Exam "Communicating Research"	30 min.	3	50%
Weighting of Module Grade for Final Overall Grade			10%		
Required Coursework					
No.	Type			Duration/ Length	course no.
1	Short and extensive coursework is required for the preparation, realization and follow-up of the seminars. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes). The type of assignments will be announced at the beginning of the seminar. The duration and scope of the assignments will be determined by the content of the seminar. Per seminar, a maximum of two of the above-mentioned academic achievements are required, e.g. a protocol and an oral examination.				1
2	Short and extensive coursework is required for the preparation, realization and follow-up of the seminars. Short and extensive coursework includes e.g. protocols (1-2 pages) and written/oral assignments (approx. 10 pages/10-15 minutes). The type of assignments will be announced at the beginning of the seminar. The duration and scope of the assignments will be determined by the content of the seminar. Per seminar, a maximum of two of the above-mentioned				2

	academic achievements are required, e.g. a protocol and an oral examination.		
3	Portfolio for the individual competence profile	10 Pages	3
4	Course work as determined by Career Service (seminars 4. and 5.)	Protocol or reflection (3 pages)	4
5	Course work as determined by Career Service (seminars 4. and 5.)	Protocol or reflection (3 pages)	5

5	CP - Distribution		
Attendance (= time of presentness)	LV No. 1	1 CP	
	LV No. 2	1 CP	
	LV No. 3	1 CP	
	LV No. 4	0,5 CP	
	LV No. 5	0,5 CP	
Degree-Relevant Examination(s)	PL No. 1	2 CP	
	PL No. 2	2 CP	
Required Coursework	SL No. 1	2 CP	
	SL No. 2	2 CP	
	SL No. 3	2 CP	
	SL No. 4	1 CP	
	SL No. 5	1 CP	
Sum CP		16 CP	

6	Requirements		
Module related participation requirements	none		
Credit points	The credit points for the module are awarded if the module has been successfully completed overall, i.e. it has been demonstrated by passing all examinations and coursework that the learning outcomes assigned to the module have been acquired.		
Attendance	In all courses, 100% participation is recommended. 80% attendance is mandatory because students need to be guided on an interactive basis to acquire the extensive knowledge and competencies within this module. Anyone who exceeds the number of permitted absences forfeits their right to take the examination.		

7	Module offer		
Cycle/Timing	every summer term		
Module Coordinator/ Faculty	Prof. Dr. Henk Erik Meier / Dr. Shu Ling Tan	FB 07	

8	Mobility/Recognition	
Usability in other study programs	none	
Module title	see title	
English Translation of module component of field 3	are in English	

9	Additional Information	

M6 Literature Review and Research Project

Degree Programme	M.Sc. Sports, Exercise and Human Performance
Module	Literature Review and Research Project
Module Number	M6

1	Basic information
Semester	3. or 4.
Credit points (CP)	15
Workload (h) - total	450
Duration of module	1 semester
Status of module	mandatory

2	Profile
Objective of the module/integration into the curriculum	
<p>The aim of the module is for students to specialize in a research area. For this purpose, students should produce output in the form of scientific reviews on the basis of independent systematic literature research as well as independently test research questions empirically and analyze results in cooperation with researchers at the institute.</p>	
Content of Module	
<p>The module deals with the writing of literature reviews on current research fields, i.e. with information research in databases, information selection, structuring of material as well as the identification of research gaps in theoretical and methodological terms. These skills are central for the targeted professional fields. The seminar provides an introduction to the preparation of a research review. After successful completion of the seminar, students will begin to work on systematic literature studies in the research areas in cooperation with researchers (examination). Building on this or as a further field of interest, the students work actively in a research project, which can either be initiated independently or embedded in other research contexts. Close supervision is provided by the researchers at the institute so that the students can practically apply the knowledge they have acquired in modules 1-5 in all its facets.</p>	
Learning outcomes	
<p>Students will be able to prepare literature reviews relevant to a specialized field of research that effectively summarize the current state of research, identify controversies and open questions, and develop research perspectives as well as practically implement them using their own project.</p>	

3 Module Structure						
Components of module						
No.	Course type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S	block	The Craft of Drafting Relevant Research Reviews	m	(30) 2 SWS	60
2	I	internship	writing a review	m		150
3	I	internship	Research Project	m		150
4	P		Inter-module self-study	m		60
Options within the Module						
There are numerous topics to choose from, which are supervised by the four departments. Accordingly, the supervision and evaluation of the paper writing and the research project takes place by one of four departments, which the students can choose.						

4 Examination concept					
Degree-Relevant Examination(s)					
No.		Type	Duration/ Length	course no.	Weighting for Module Grade
1		Review manuscript (written term paper)	7.000 words	2	100%
Weighting of Module Grade for Final Overall Grade		15%			
Required Coursework					
No.	Type			Duration/ Length	course no.
1	preparation of literature review			Exposé (5-7 pages)	1
2	Review writing			150h	2
3	Research project with completion by presentation, paper or poster presentation on the research project.			150h	3

5 CP - Distribution		
Attendance (= time of presentness)	LV No. 1	1 CP
Degree-Relevant Examination(s)	PL No. 1	3 CP
Required Coursework	SL No. 1	1 CP
	SL No. 2	5 CP
	SL No. 3	5 CP
Sum CP		15 CP

6	Requirements	
Module related participation requirements	none	
Credit points	The credit points for the module are awarded if the module has been successfully completed overall, i.e. it has been demonstrated by passing all examinations and coursework that the learning outcomes assigned to the module have been acquired.	
Attendance	In all courses, 100% participation is recommended. 80% attendance is mandatory because students need to be guided on an interactive basis to acquire the extensive knowledge and competencies within this module. Anyone who exceeds the number of permitted absences forfeits their right to take the examination.	

7	Module offer	
Cycle/Timing	every semester, event no. 1 always in winter semester	
Module Coordinator/ Faculty	Dr. Shu Ling Tan / Dr. Dennis Dreiskämper	FB 07

8	Mobility/Recognition	
Usability in other study programs	none	
Module title	see title	
English Translation of module component of field 3	is in English	

9	Additional Information	

M7 Professional specialization and Internship

Degree Programme	M.Sc. Sports, Exercise and Human Performance
Module	Professional specialization and Internship
Module Number	M7

1	Basic information
Semester	3. or 4.
Credit points (CP)	15
Workload (h) - total	450
Duration of module	1 semester
Status of module	mandatory

2	Profile
Objective of the module/integration into the curriculum	
Own profile sharpening, specialization and application of own research within the framework of an internship.	
Content of Module	
<p>The two-part block seminar serves the general preparation and the follow-up of the specialization project, which should ideally be performed in the form of an internship in a research institution or research-related institution. In the introductory seminar, special features and requirements of the specialization project are discussed. In addition, formal questions, especially regarding the preparation of the final internship report, will be clarified. The specialization project is organized and carried out by the student on his/her own responsibility, whereby the rules of the internship site are to be followed. The specialization project aims at a practical or applied link and can therefore be completed, for example, in applied sports psychology in competitive sports, at an Olympic base or a national performance center. The attendance requirement is 330 hours. The internship can be carried out during the semester as well as during the semester break. The preparation and reflection of the internship is accompanied and supported by an e-learning element of the Career Service.</p>	
Learning outcomes	
<p>The internship should enable students to experience and reflect on the stresses and strains of professional life. The students should be able to apply or implement theoretical knowledge in everyday working life, and they acquire new practical skills, which in turn can be integrated into their further studies. The internship also serves as an opportunity to find topics for the master's thesis and opens up possible contacts to potential employers.</p>	

3 Module Structure						
Components of module						
No.	Course type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S	online, block	Preparation and Retrospection	m	(30) 2 SWS	30
2	I	Praktikum	Work Experience	m		300
3	Exercise	e-Learning	„The Ten Steps of an Internship“ (E-Learning- Career Service)	m		60
4	P		Inter-module self-study	m		30
Options within the Module						
There are numerous topics to choose from, which are supervised in four departments. Accordingly, the supervision and evaluation of the internship (work experience) takes place in one of four departments, which the students can choose.						

4 Examination concept					
Degree-Relevant Examination(s)					
No.		Type	Duration/ Length	course no.	Weighting for Module Grade
1		Internship Report	15 pages	2	100%
Weighting of Module Grade for Final Overall Grade			15%		
Required Coursework					
No.	Type		Duration/ Length	course no.	
1	Reflection (oral or written)		according to individual agreement	1	
2	Internship		300h	2	
3	Portfolio from exercises		10 pages	3	

5 CP - Distribution		
Attendance (= time of presentness)	LV No. 1	1 CP
Degree-Relevant Examination(s)	PL No. 1	3 CP
Required Coursework	SL No. 1	1 CP
	SL No. 2	8 CP
	SL No. 3	2 CP
Sum CP		15 CP

6	Requirements	
Module related participation requirements	none	
Credit points	The credit points for the module are awarded if the module has been successfully completed overall, i.e. it has been demonstrated by passing all examinations and coursework that the learning outcomes assigned to the module have been acquired.	
Attendance	In all courses, 100% participation is recommended. 80% attendance is mandatory because students need to be guided on an interactive basis to acquire the extensive knowledge and competencies within this module. Anyone who exceeds the number of permitted absences forfeits their right to take the examination.	

7	Module offer	
Cycle/Timing	every semester, event no. 1 always in winter semester	
Module Coordinator/ Faculty	Dr. Shu Ling Tan	FB 07

8	Mobility/Recognition	
Usability in other study programs	none	
Module title	see title	
English Translation of module component of field 3	are in English	

9	Additional Information	

M8 Master Module

Degree Programme	M.Sc. Sports, Exercise and Human Performance
Module	Master Module
Module Number	M8

1	Basic information	
Semester	4	
Credit points (CP)	24	
Workload (h) - total	720	
Duration of module	1	
Status of module	mandatory	

2	Profile
Objective of the module/integration into the curriculum	
As part of this module, students will develop and independently complete their master's thesis.	
Content of Module	
The students independently develop a research question and a methodological approach. They have to collect data and analyze them independently. They are advised by the supervisor on basic questions (topic identification, conceptual help, data analysis, etc.).	
Learning outcomes	
The Master's thesis, including the defense, deepens the candidate's ability to think and work independently and scientifically.	
In addition to the technical content, essential qualifications of scientific work are acquired and deepened, e.g. communication skills, literature research, writing scientific papers, as well as the presentation and critical discussion of one's own results.	

3	Module Structure					
Components of module						
No.	Course type		Course	Status (mandatory/ elective)	Workload (h)	
					Attendance (h)/SWS	Individual study time (h)
1	S	block/online or regular	Colloquium		(30) 1	30
			Master thesis			660
Options within the Module						
There are numerous topics to choose from, which are supervised by the four departments. Accordingly, the supervision, the colloquium and the evaluation take place in one of the four departments, which the students can choose.						

4 Examination concept					
Degree-Relevant Examination(s)					
No.	Type	Duration/ Length	course no.	Weighting for Module Grade	
1	Master thesis	up to 80 pages	1	100%	
Weighting of Module Grade for Final Overall Grade		20%			
Required Coursework					
No.	Type	Duration/ Length	course no.		
1	Presentation in the Colloquium	30-45 min	1		

5 CP - Distribution		
Attendance (= time of presentness)	LV No. 1	1 CP
Degree-Relevant Examination(s)	PL No. 1	22 CP
Required Coursework	SL No. 1	1 CP
Sum CP		24 CP

6 Requirements	
Module related participation requirements	none
Credit points	The credit points for the module are awarded if the module has been successfully completed overall, i.e. it has been demonstrated by passing all examinations and coursework that the learning outcomes assigned to the module have been acquired.
Attendance	There is no mandatory attendance.

7 Module offer		
Cycle/Timing	every Semester	
Module Coordinator/Faculty	Prof. Dr. Bernd Strauß / Prof. Dr. Heiko Wagner, Prof. Dr. Claudia Voelcker-Rehage, Prof. Dr. Henk Erik Meier (primarily responsible)	FB 07

8 Mobility/Recognition	
Usability in other study programs	none
Module title	see title
English Translation of module component of field 3	are in English

9	Additional Information