

Überblick Masterstudiengang Sport Exercise Science

Module-number	CP	Title of module	Responsible	R/E <sup>1</sup>	Form	SWS <sup>2</sup>	Title of course	Exam (german/english), duration	Language
<sup>1</sup> required/elective module									
<sup>2</sup> weekly hours per semester									
<b>1st semester</b>									
SG861001	5	Biomechanics, Human Movement and Neuromechanical Control	Franklin	R	L	1	Biomechanics	Klausur/written exam 90 min	englisch
					L	1	Human Movement Science		
					L	1	Neuromechanical Control		
					Se	1	Biomechanical Tests and Current Research Questions		
					Se	1	Research in Neuromechanical Control		
					Se	1	Classical and Contemporary Research in Human Movement Science		
SG861002	5	Current Topics in Exercise Biology, Performance Analysis & Testing	Wackerhage	R	L	1	Current Topics in Exercise Biology	Klausur/written exam 90 min	englisch
					L	2	Current Topics in Performance Analysis & Testing		
					Se	2	Current Topics in Exercise Biology		
					Se	1	Current Topics in Performance Analysis & Testing		
SG861003	5	Current Social and Political Topics of Sport in Global Societies	Königstorfer	R	L	2	Current Social and Political Topics of Sport in Global Societies	Übungsleistung/exercises	englisch
					Se	2	Current Social and Political Topics of Sport in Global Societies		
SG810002	5	Study Design, Ethics	Klug	R	L	2	Advanced Study Design; Ethics	wiss. Ausarbeitung + Klausur research paper + written exam 90 min	englisch
					Se	2	Applied Study Design; Ethics		
SG861021	5	Technical Analysis	Franklin	R	Ex	4	Technical Analysis	Klausur/written exam 90 min	englisch
WI001158	5	Entrepreneurial Opportunity Development	Patzelt	R	Se	2	Entrepreneurial Opportunity Development	Projektarbeit/projekt work	englisch

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<sup>2</sup> weekly hours per semester									
<b>2nd semester</b>									
SG861022	6	Advanced Statistics	Klug	R	L	2	Advanced Statistics	Klausur/written exam 90 min	englisch
					Se	2	Applied Statistics		
					Ex	1	Applied Statistics Practical Training		
<b>Choose 4 (24 Credits)</b>									
SG861006	6	Methods in Neuromechanics	Franklin	E	L	1	Neuromechanics Methods	Klausur/written exam 60 min	englisch
					Ex	3	Neuromechanics Methods		
SG861004	6	Biomechanical Methods and Application	Seiberl	E	L	2	Applied Biomechanical Research	mündl. Prüfung/oral exam 20 min	englisch
					Ex	2	Application of Biomechanical Research Methods		
SG861005	6	Methods in Human Movement Science	Hermsdörfer	E	Se	2	Principles of Research Paradigms in Human Movement Science	Laborleistung/laboratory assignment	englisch
					Ex	2	Application of Research Methods in Human Movement Science		
SG861007	6	Exercise Biology Methods	Wackerhage	E	Se	1	Exercise Biology Methods	Laborleistung/laboratory assignment	englisch
					Ex	3	Exercise Biology Methods		
SG861008	6	Methods of Performance Analysis and Testing	Lames	E	Se	2	Methods of Action Detection	Laborleistung/laboratory assignment	englisch
					Se	2	Methods of Position Detection		
SG861009	6	Mind-Body Interactions for Health and Wellbeing	Erk	E	Se	1	Mental Health and Sport	Laborleistung/laboratory assignment	englisch
					Se	1	Well-Being and Resilience		
					Ex	1	Embodied Interventions		
SG861010	6	Methods in Performance Psychology	Ehrlenspiel	E	Se	1	Performance Psychology	Laborleistung/laboratory assignment	englisch
					Se	1	Differential Psychology of Sport		
					Ex	1	Writing a Psychological Evaluation Report		
SG861023	6	Sports Informatics	Link	E	Ex	4	Sports Informatics	Klausur/written exam 90 min	englisch
SG861024	6	Nutrition for Human Performance: Current Topics and Research Methods	Köhler	E	Se	2	Current Topics in Sports Nutrition	mündl. Prüfung/oral exam 30 min	englisch
					Ex	2	Research Methods in Sports Nutrition		

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<sup>2</sup> weekly hours per semester									
<b>3rd semester</b>									
Free	5	Softskills		E					
<b>Choose 5 (25 Credits required)</b>									
SG861011	5	Current Topics in Human Movement Science	Hermisdörfer	E	Se Ex	2 2	Movement Science Journal Club Specialisation in Human Movement Science	Projektarbeit/project work	englisch
SG860012	5	Neuromuscular Control and Learning	Franklin	E	L Ex	2 2	Neuromuscular Control and Learning Neuromuscular Control and Learning Laboratory	Präsentation/presentation	englisch
SG860013	5	Human Robotics	Franklin	E	Se Ex	2 2	Human Robotics - seminar Human Robotics - exercise	Präsentation/presentation	englisch
SG860019	5	Biomechanics for Strength and Conditioning in Elite Sports	Seiberl	E	L Se	2 2	Biomechanics for Strength and Conditioning in Elite Sports Methods in Biomechanical Performance Analysis - Strength and Conditioning in Elite Sports	Präsentation/presentation	englisch
SG860020	5	Muscle Function and Human Movement Studies	Seiberl	E	L Se	2 2	Muscle Function and Human Movement Studies High-End Biomechanical Methods in Muscle Function and Human Movement Analysis	Präsentation/presentation	englisch
SG860021	5	Evidence-based training for performance, fitness & health	Wackerhage	E	Ex L	2 1	Evidence-based training for performance, fitness & health Evidence-based training for performance, fitness & health	Projektarbeit/project work	english
SG860014	5	Exercise Biology Specialisation	Wackerhage	E	L Se	1 3	Exercise Biology Specialisation Exercise Biology Specialisation	wiss. Ausarbeitung/research paper	englisch
SG860015	5	Performance Analysis Specialisation	Lames	E	Se Ex	2 2	Performance Analysis Specialisation Performance Analysis Specialisation	wiss. Ausarbeitung/research paper	englisch
SG861016	5	Sports Analytics	Link	E	Se	4	Sports Analytics	Projektarbeit/project work	englisch
SG860017	5	Participation and Inclusion	Königstorfer	E	Se Se	2 2	(Dis-)ability, Diversity and Inclusion Inclusive Sport Events	Präsentation/presentation	englisch
SG860018	5	Psychophysiology of Stress in Sport	Ehrlenspiel	E	Se Ex	2 1	Psychophysiology of Stress Psychophysiology Lab	Projektarbeit/project work	englisch

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SG810005	5	Qualitative Research Methods	Payam	E	Se	2	Methodology of Qualitative Research	Bericht/report	englisch
					Ex	2	Methods of Qualitative Data Inquiry and Analysis		
SG8000160	6	Sponsorship-Linked Marketing	Königstorfer	E	L	2	Sponsorship-Linked Marketing	Klausur/written exam 60 min	englisch
					Se	2	Sponsorship-Linked Marketing		
SG861025	5	Neuronal and Cognitive Aspects in Motor Control	Hermsdörfer	E	Se	2	Project - Neuronal and Cognitive Aspects in Motor Control	Projektarbeit/project work	englisch
					Ex	2	Journal Club - Neuronal and Cognitive Aspects in Motor Control		
SG860022	5	Special Topics in Elite Level Sports	Kolbinger	E	Se	2	Researching Special Topics in Elite Level Sports	Projektarbeit/projekt work	englisch
					Ex	2	Special Topics in Elite Level Sports		
<b>4th semester</b>									
SG862000	30	Master's Thesis		R				SL: Präsentation/presentation wiss. Ausarbeitung/research paper	englisch