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KSS-	MS-01	Exercise Medicine					1 <sup>st</sup> sem.	6 CP
Mod	lule	Exercise Medicine						
Mod	lule code	06-KSS-MS-01						
//Faculty/Subject/Department Faculty 06 Department of Sports Science								
	/Associated degree MSc Clinical Sport Physiology and Sport Therapy course/Semester taken							
Mod	lule coordinator	Cf. German version						
Prere	equisites for participation	None						
Learning outcomes	The students acquire a profound knowledge of functional and structural adaptations to competitive sport training. At the same time, strategies regarding effectiveness and optimisation of the stress/recovery cycle will be illustrated and specific parameters which present an additional stimulus to the adaptation of physiological training will be displayed. The students acquire a profound knowledge of the effects and risks of doping substances and of prohibited methods in competitive sports. Competences in the areas of athlete consultation and of coaching as wells as talent identification will be imparted. Alternatively, students have the possibility to implement these skills in a practical seminar with a focus on athletic sport disciplines.							
	The introductory lecture illustrates a more profound technical knowledge in the adaptation of performance physiological training. At the same time, possibilities and limitations of performance development will be displayed and strategies for supporting and optimising enhanced performance will be demonstrated, e.g. the parameters of an altitude training. In the second lecture, the focus will lie on the topic of "doping" with its various aspects. This includes a discussion of the different classes of substances and their effects, an illustration of prohibited and performance-enhancing methods as well as possibilities and strategies of doping analysis and doping prevention. Students can take part in an elective practical seminar in which an exercise and training process using the example of athletics will be implemented. Alternatively, specialised knowledge can be acquired in a theoretical seminar focussing on the identification of talents, the prognosis of their performance development and their advancement.					displayed neters of ts. This nd ention. example ninar		
instruction form(s)  Lecture 50%/seminar or practical seminar 50%								
	Total workload	180 hours = 6 ECTS cre	edits A course	ıç.	R autor	nomous	С	
hours	Course type and title		ntact b p	reparation		ork	exam incl.	
Workload in	L1 "Performance Medicing Performance in Competition	•	15		15	15	45	
Work	L2 "Performance Medicinent enhancing and –inhibiting		15		15	15	45	
	S1 S "Talent Identification PS "Athletics"	and Coaching" or	30		30	30	90	
		Sum	60	60	30		180	
ıation	Prerequisite(s) for examination Form(s) of assessment (scope)	L1 and L2: regular part S and PS: active partici L1 and L2: examination	pation/oral		ation/writ	tten assign	ment	
Module examination	Contribution to final mark  Form of module-component retake examination	40% from each examir examination compone L1 examination 40 mir L2 examination 40 mir	nts is possil ı.		seminar,	a comper	nsation of the dif	ferent
	Form of module retake examination	Oral examination (30 r	min.)					
Frequ	uency	Every year d	uration: 1 s	emester		winter se	emester	

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Intake capacity	Unlimited (capacity of lecture hall)	
Language of instruction	German	
Additional information:	Guidance on module and required literature: see notice board / Date: see course	
Additional information.	catalogue	

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KSS-N	/IS-06	Musculoskeletal Syste	m and Exerc	ise	2 <sup>nd</sup> sem.	6 CP	
Modu	ıle	Musculoskeletal Syste	m and Exerc	ise			
Modu	ıle code	06-KSS-MS-0206					
//Fac	ulty/Subject/Department	Faculty 06 Department	of Sports Sc	ience			
/Associated degree MSc Clinical Sport Physiology and Sport Therapy course/Semester taken							
	le/semester taken ule coordinator	Cf. German version					
	quisites for participation	Performance Medicine					
outcomes	The students acquire a pro forms of stress in competit or patterns of injuries inclu	found knowledge of the spicive sport. On this basis, knuding all in each case relevive therapy will be acquire	und knowledge of the special anatomy of the locomotor system with regard to various e sport. On this basis, knowledge of general and sport-specific orthopaedic symptoms ng all in each case relevant aspects starting from anamnesis over the entire diagnosis e therapy will be acquired. Within the framework of an exercise therapeutic concept,				
content	In the 1-hour-lecture of speaspects for competitive speand traumatological knowle approaches will be imparted studies by means of prepared.	ort will be illustrated in de ledge with a direct relatior ed. In the 2-hour practical	tail. In the son to various to seminar, the	econd 1-hour-lecture, sp Types of sports including Sese skills will be applied i	ecial sport orthoexercise therap n specific patier	opaedic eutic nt case	
	entage share of action form(s)	Lecture 50%/seminar 50	%				
	Total workload	180 hours = 6 ECTS credit	is				
	examination		A co	ourses	B auto-	С	
Workload in hours	preparation Course type and title Sum		a contact hours	b preparation/ revision	nomous work	incl.	
load	L1 "Special Anatomy of t	the Locomotor System"	15	15	15	45	
Work	L2 "Special Orthopaedic	•	15	15	15	45	
	PS "Orthopaedic Rehabil Sport"	itation in Competitive	30	30	30	90	
		Sum (180)	60	60	30	30	
ation	Prerequisite(s) for examination Form(s) of assessment (scope)	None L1: examination (40 minu written report	ites), L2: exa	mination (40 minutes), I	PS: presentation	and	
Module examination	Contribution to final mark  Form of module-component retake examination	25% from each examination and 50% from seminar, ; a compensation of the different examination components is possible L1+2: examination 40 minutes each PS: written report					
	Form of module retake examination	Oral examination (30 min	nutes)				
requ	ency	Every year dura	ation: 1 seme	ester summe	r semester		
Intake capacity		L1 + L2: unlimited (capaci	ity of lecture	hall), PS: 30 students			
Language of instruction  Additional information:							

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KSS-I	MS-11	Molecular and Cellular Sports Physiology	3 <sup>rd</sup> sen	n. 6 CP		
Mod	ule	Sports Physiology				
Mod	ule code	06-KSS-MS-11				
Facu	ty/Subject/Department	Faculty 06 Department of Sports Science				
	ciated degree	MSc Clinical Sport Physiology and Sport Therapy				
	se/Semester taken	Cf. Common various				
	ule coordinator	Cf. German version  Performance Medicine				
The students acquire a detailed knowledge of molecular and cellular reactions to physical activity as well as the adaptation within the framework of the training process. They are familiarised with specific reactions of cellular signal transduction pathways to various stimuli such as endurance or power stimuli. As well as the cellular approach, the students also learn to apply the systems-biological approach and to understand the active organi in its entirety. The aim is to gain an integrated view of all stress sensitive, regulatory processes across all levels, from the genome to the proteome to the organelles as well as the behaviour and biomechanics of the entire organisms. This also comprises the influence of specific nutritional ingredients. The students become familiar w				of cellular Ilular tive organism all levels, e entire		
the identification of molecular markers within the scope of training monitoring.  Training stimuli have an individual and psychically highly complex effect in sports. In the first lecture, the adaptat and controlling processes on a genetic and molecular biological level will be defined. In the second lecture, crucia stress sensitive systems such as the immune system and the endocrine system in their stress dependency and trainability will be illustrated.  In the additional seminar, stress sensitive molecular biological markers and their validity in the planning and monitoring of training will be dealt with. Alternatively, the possibilities and limitations of nutritional supplements for optimizing the performance will be discussed.				cture, crucial ency and ing and		
	entage share of uction form(s)	Lecture 50%/seminar 50%				
	Total workload	180 hours = 6 ECTS credits				
10	examination preparation	A courses  a contact b preparation/	B auto- nomous	C incl.		
d in hours	Course type and title	hours revision	work			
Workload	L1 "Molecular and Cellu	ar Sport Physiology" 15 15	15	45		
Morl	L2 "Special High Perform	· · · · · · · · · · · · · · · · · · ·	15	45		
	S1 "Biochemical Markers		30	90		
	-	*	30	90		
	32 Elective. High Perior	mance Sport and Nutrition"	20	20		
	Prerequisite(s) for examination	Sum (180) 60 60  L1 and L2: regular participation S and PS: regular and active participation	30	30		
nation	Form(s) of assessment (scope)	L1 and L2: examination (each 40 minutes each) S and PS: oral presentation and written assignment				
Module examination	Contribution to final mark	40% from each examination and 20% from seminar,; a compensation of the different examination components is possible				
	Form of module- component retake examination	L1 examination 40 minutes L2 examination 40 minutes				
	Form of module retake examination	Oral examination (30 minutes)				
Frequ		Every year/semester duration: 1 semester	winter se	mester		
Intake capacity		60 (teaching capacity of seminars)				

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Language of instruction	German
Additional information:	Guidance on module and required literature: see notice board / Date: see course catalogue

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	MS-0402	Special Biochemistry			1 <sup>st</sup> sem.	6 CP	
Mod	ule	Special Biochemistry					
Mod	ule code	06-KSS-MS-0402					
//Fac t	culty/Subject/Departmen	Faculty 09 Nutritional	Sciences, Facul	ty 06 Department of S	Sports Science		
	ociated degree se/Semester taken	Master Nutritional Sci	ence (=MKE 20	), MSc Clinical Sport P	hysiology and Spo	rt Therapy	
Mod	ule coordinator	Cf. German version					
Prere	equisites for participation	Biochemistry 1 (BKÖ/I	06) or equival	ent			
Learning outcomes	<ul> <li>can discuss how far the real are familiar with the mo</li> <li>are familiar with the interest understand immunologic</li> </ul>	rofound knowledge of principles for regulating the metabolism on a molecular and cellular level, uss how far the metabolism of nutrients is regulated by organs, liar with the molecular mechanisms of receptors and signal transduction, liar with the interrelations between structure and function of enzymes/proteins, and immunological processes and their interactions with the environment and nutrition, liar with the significance of proteome and transcriptome analyses in biochemistry or nutritional science					
Module content	<ul> <li>Compartmentalisation o</li> <li>Enzymes (structure, catadiagnostics, coenzymes)</li> <li>Chaperones, posttransla</li> <li>Differential genome and</li> <li>Nucleotide metabolisma</li> <li>Immunology (compleme</li> <li>Interactions between for</li> <li>Nutrition and infection (</li> </ul>	signal transduction of eukaryotic cells alisation of the metabolism considering special functions of organelles cture, catalytic mechanisms, inhibition, regulation, linear and nonlinear regression, enzyme nzymes) osttranslational modifications, target control of the proteins, proteolysis nome and proteome analyses and their interpretation tabolism and its disturbances complementary system, allergy and its prevention/therapy, immunological testing methods) etween food constituents and genes (e.g. in the case of cancer) infection (mycotic, bacterial, viral, parasitic)					
	• Apoptosis (cascades, reg	ulation markers)					
		diation, markers,					
	entage share of uction form(s)	Lecture 50%/seminar	50%				
	_						
	uction form(s)  Total workload	Lecture 50%/seminar	edits	urses	B auto-	C	
nstrı	rotal workload examination	Lecture 50%/seminar	edits	urses b preparation/	B auto- nomous	C incl.	
nstrı	uction form(s)  Total workload	Lecture 50%/seminar	edits A co				
nstri	examination preparation Course type and title	Lecture 50%/seminar	edits A co a contact	b preparation/	nomous		
nstrı	examination preparation Course type and title	Lecture 50%/seminar  180 hours = 6 ECTS cre	edits A co a contact hours	b preparation/ revision	nomous		
	examination preparation Course type and title Sum L "Biochemistry of Spor	Lecture 50%/seminar  180 hours = 6 ECTS cre	edits A co a contact	b preparation/	nomous		
nstrı	examination preparation Course type and title	Lecture 50%/seminar  180 hours = 6 ECTS cre	edits A co a contact hours	b preparation/ revision	nomous		
nstrı	examination preparation Course type and title Sum L "Biochemistry of Spor	Lecture 50%/seminar  180 hours = 6 ECTS cre	a contact hours	b preparation/ revision 60	nomous		
nstri	examination preparation Course type and title Sum L "Biochemistry of Spor	Lecture 50%/seminar  180 hours = 6 ECTS cre  t & Exercise 1"  t & Exercise 1"	a contact hours  30	b preparation/ revision  60  60	nomous	incl.	
Workload in hours	rotal workload  examination  preparation Course type and title  Sum L "Biochemistry of Sports" S "Biochemistry of Sports" Prerequisite(s) for	Lecture 50%/seminar  180 hours = 6 ECTS cre  t & Exercise 1"  t & Exercise 1"  Sum	a contact hours  30 30	b preparation/ revision  60  60	nomous	incl.	
Workload in hours	examination  Course type and title  Sum  L "Biochemistry of Sport  S "Biochemistry of Sport  Prerequisite(s) for examination  Form(s) of assessment	Lecture 50%/seminar  180 hours = 6 ECTS cre  t & Exercise 1"  t & Exercise 1"  Sum  Regular participation	a contact hours  30 30	b preparation/ revision  60  60	nomous	incl.	
nstrı	examination  preparation Course type and title  Sum L "Biochemistry of Sport S "Biochemistry of Sport Prerequisite(s) for examination Form(s) of assessment (scope)  Contribution to final	Lecture 50%/seminar  180 hours = 6 ECTS cre  2 & Exercise 1"  3 Sum  Regular participation  Examination (90 minut	a contact hours  30 30	b preparation/ revision  60  60	nomous	incl.	
Workload in hours	rotal workload  examination  preparation Course type and title  Sum L "Biochemistry of Sport S "Biochemistry of Sport S "Biochemistry of Sport Prerequisite(s) for examination Form(s) of assessment (scope)  Contribution to final mark Form of module-component retake	Lecture 50%/seminar  180 hours = 6 ECTS cre  2 & Exercise 1"  3 Sum  Regular participation  Examination (90 minut)  Examination (100%)	a contact hours  30 30	b preparation/ revision  60  60	nomous	incl.	

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Intake capacity	Unlimited (capacity of lecture hall)
Language of instruction	German
Additional information:	Guidance on module and required literature: see notice board / Date: see course catalogue

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	MS-0507	Nutrition and Diseas	ie		2 <sup>nd</sup> sem.	6 CF	
Mod	le Nutritional Medicine						
/lod	ule code	06-KSS-MS-0507	06-KSS-MS-0507				
/Fac	culty/Subject/Department	Faculty 06 Departme	nt of Sports So	cience			
'Assc	ociated degree	MSc Clinical Sport Ph	ysiology and S	Sport Therapy			
cours	se/Semester taken						
Mod	ule coordinator	Cf. German version					
.ectı	ırers	Cf. German version					
Prere	equisites for participation	Biochemistry of Spor	t & Exercise				
Module content Learning outcor	<ul> <li>are familiar with aetiology</li> <li>are familiar with the princi</li> <li>can illustrate these parame</li> <li>have knowledge of the mo</li> <li>understand cellular signal</li> <li>have knowledge of the inte</li> <li>have a fundamental knowl</li> <li>Artificial nutrition, enteral</li> <li>Diseases in infancy connect</li> <li>Nutrition (prevention and</li> <li>Metabolic disorders, innat</li> <li>Gastro-intestinal diseases,</li> <li>Liver-bile-pancreas-disease</li> <li>Renal and immune disease</li> <li>Eating disorders, integrate</li> <li>Cancer and nutrition</li> <li>Aging processes, nutrition</li> <li>Autoimmune diseases, e.g</li> <li>Chronic inflammatory bow</li> </ul>	iples of treatment and eters of diseases connected are effects of horn transduction, ermediary metabolism ledge of immunology.  & parenteral cted to nutrition supportive therapy) the and acquired especially inflammato es, diabetes mellitus, des, rachitis and osteopolism and metabolic syndrom diabetes mellitus, typic and metabolic syndrom diabetes mellitus, typic diabet	prevention of ected to nutrit nones and cyton,  ry bowel diseatisease managorosis, prevent	diseases connected to tion with the help of a pkines, ases ement strategies, 'self tion and management	nutrition, real case study,	nutrition,	
	• Food allergies, gluten sens						
	• Food intolerances, e.g. lact						
orm	• Food intolerances, e.g. lact n(s)of instruction						
orm	• Food intolerances, e.g. lact	tose intolerance Lecture 100%	redits				
orm	<ul> <li>Food intolerances, e.g. lact n(s)of instruction entage</li> </ul>	tose intolerance		ourses	B auto-	C	
Form	<ul> <li>Food intolerances, e.g. lact n(s)of instruction entage</li> </ul>	tose intolerance Lecture 100%	A co		B auto-		
Form	Food intolerances, e.g. lactors (s) of instruction entage  Total workload examination	tose intolerance Lecture 100%		ourses b preparation/	B auto- nomous	C incl.	
Form	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload examination preparation	tose intolerance Lecture 100%	A co	b preparation/	nomous		
Form	Food intolerances, e.g. lactors (s) of instruction entage  Total workload examination	tose intolerance Lecture 100%	A co				
Form	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload examination preparation	tose intolerance Lecture 100%	A co	b preparation/	nomous		
orm	Food intolerances, e.g. lact     (s)of instruction     entage      Total workload      examination     preparation     Course type and title	tose intolerance Lecture 100%	A co	b preparation/	nomous		
Form	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload  examination  preparation Course type and title  Sum L1 "Pathophysiology" L2 "Molecular Fundament	tose intolerance  Lecture 100%  180 hours = 6 ECTS cr	A contact	b preparation/ revision 60	nomous		
Form	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload  examination  preparation Course type and title  Sum  L1 "Pathophysiology"	Lecture 100%  180 hours = 6 ECTS cr	A contact hours 30	b preparation/ revision  60  60	nomous		
Form	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload  examination  preparation Course type and title  Sum L1 "Pathophysiology" L2 "Molecular Fundament Diseases"	tose intolerance  Lecture 100%  180 hours = 6 ECTS cr	A contact hours	b preparation/ revision 60	nomous		
Workload in hours	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload  examination  preparation Course type and title  Sum L1 "Pathophysiology" L2 "Molecular Fundament Diseases"  Prerequisite(s) for	Lecture 100%  180 hours = 6 ECTS cr	A contact hours 30	b preparation/ revision  60  60	nomous		
Workload in hours	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload  examination  preparation Course type and title  Sum L1 "Pathophysiology" L2 "Molecular Fundament Diseases"  Prerequisite(s) for examination	Lecture 100%  180 hours = 6 ECTS cr	A contact hours 30	b preparation/ revision  60  60	nomous		
Workload in hours	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload  examination  preparation Course type and title  Sum L1 "Pathophysiology" L2 "Molecular Fundament Diseases"  Prerequisite(s) for	tals of Degenerative	A contact hours 30	b preparation/ revision  60  60	nomous		
Form	• Food intolerances, e.g. lactors (s) of instruction entage  Total workload  examination  preparation Course type and title  Sum L1 "Pathophysiology" L2 "Molecular Fundament Diseases"  Prerequisite(s) for examination Form(s) of assessment	tals of Degenerative	A contact hours  30 30	b preparation/ revision  60  60  120	nomous		

component retake examination

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	Form of module retake examination	Examination		
Frequ	ency	Every year/semester	duration: 0 semesters	summer semester
Intake	capacity	Unlimited (capacity of lectu	re hall)	
Langu	lage of instruction	German		
Addit	ional information:	Guidance on module and required literature: see notice board / Date: see course catalogue		

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KSS-	MS-12	Health Behaviour			3 <sup>rd</sup> sem.	9 CP		
Mod	lule	Health Behaviour						
Mod	lule code	06-KSS-MS-12						
//Faculty/Subject/Departmen Faculty 11 Medicine, Faculty 06 Department of Sports Science								
	ociated degree se/Semester taken	Medicine, MSc Clinical Sport Physiology and Sport Therapy						
Mod	lule coordinator	Cf. German version	Cf. German version					
Lecti	urers	Cf. German version						
Prer	equisites for participation	Orthopaedic Rehabilitati						
Learning outcomes	Initially, the students are familiarised with the fundamentals of medical psychology. Knowledge of various psychosocial factors, which play a role in the medical system on the part of patients, relatives and disease group well as on the part of the medical staff within the framework of health behaviour, will be imparted. The student can determine the socioeconomic, psychosocial, and cultural behavioural determinants in the context of exercis nutrition and drinking with the help of theoretical models and empirical studies. The students can specifically implement methods for collecting data in dependency of the specific issue at hand and can assess the validity of data. The students have a command of behaviour analysis both theoretically and practically. Finally, the student have the ability to classify various psychosocial factors in the context of health behaviour and apply these in the assessment and concept design of means for health promotion.					e groups as tudents exercise, cally idity of the students		
Module content	In the introductory lecture, theoretical fundamentals of medical psychology and medical sociology as well as their dimensions and medicine will be imparted. Socially relevant medical ethics aspects as well as socially problematic issues and questions of communication with patients, their relatives or aspects within the framework of a multi professional cooperation also belong to this area.  In the lecture "Nutrition Behaviour" food consumption and intake data, consumption statistics, budget accounts and nutritional epidemiological studies will be illustrated. Eating habits, eating behaviour and eating disorders will be focused on. Nutrition as a psychosocial phenomenon and approaches towards a behavioural reference framework for communication and advice will be presented. Additionally, concepts for changing behaviour within social psychology will be illustrated.  In the seminar, the role of psychosocial factors for the emergence as well as for the course and overcoming of a disease will be discussed on a more profound level and will be illustrated against the background of different					blematic a multi ccounts rders will e ur within		
	approaches for supporting n(s)of instruction entage	Lecture 70%/seminar 30	%					
	Total workload	270 hours = 9 ECTS credit	ts					
			A co	ourses	B auto-	С		
	examination		a contact	b preparation/	nomous	incl.		
rs	preparation Course type and title		hours	revision	work			
hou	Sum							
Workload in hours	L1 "Medical Psychology"	,	30	60				
Work	L2 "Nutrition Behaviour"	,	40	60				
	S "Health Behaviour"		30	30	20			
	270	Sum	100	150	20			
ex	Duous suisits (s) for	Regular participation in t	he seminar					

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	Form(s) of assessment (scope)	L1: examination (40 minutes), L2: examination (60 minutes), S: oral presentation and written report		
	Contribution to final mark	30% from each examination and 40% from seminar; compensation possible		
	Form of module- component retake examination	L1: examination (40 minutes), L2: examination (60 minutes), S: re-submission of report		
	Form of module retake examination	Oral examination		
Frequ	ency	Every year/semester duration: 1 semester winter semester		
Intake	capacity	Lecture: unlimited (capacity of lecture hall), seminar: 30 participants		
Langu	age of instruction	German		
Additional information:		Guidance on module and required literature: see notice board / Date: see course catalogue		

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	/IS-0703	Orthopaedic Sports T	herapy		1 <sup>st</sup> sem.	6 C	
Module		Orthopaedic Sports Therapy					
Module code		06-KSS-MS-0703					
//Facu t	ulty/Subject/Departmen	Faculty 06 Departmen	nt of Sports Scie	ence			
	ciated degree e/Semester taken	MSc Clinical Sport Ph	ysiology and Sp	ort Therapy			
Modu	lle coordinator	Cf. German version					
Prerec	quisites for participation	None					
Learning outcomes	The students acquire a fundamental knowledge of the entire spectrum of orthopaedic rehabilitation including all practically relevant symptoms, their relevance in the health care system, the general and specific purpose of an orthopaedic rehabilitation with different rehabilitation phases, various options of rehabilitation and the legal framework that exists for rehabilitation. The students are familiar with the ICF (International Classification of Functionality, Disability and Health). Different therapeutic approaches can be assessed based on evidence and can be applied indication-related and differentiated in specific patient case studies within the framework of a short-term, medium-term or long-term orientated interdisciplinary therapy planning.						
In the introductory 1-hour lecture, an extensive overview regarding all aspects of orthopaedic rehabilitation will be imparted. Besides the illustration of corresponding orthopaedic symptoms, this also includes the illustration of orthopaedic rehabilitation within the framework of the entire health care system including all relevant social medical aspects. In the second 1-hour lecture, corresponding therapeutic approaches will be critically illustrated from an evidence-based point of view. Subsequently this knowledge regarding the planning of a multi-modal and interdisciplinary concept in a patient-oriented and indication-related manner will be implemented in a practical seminar.							
Form( Perce	(s)of instruction ntage	Lecture 50%/seminar	50%				
	Total workload	180 hours = 6 ECTS cr	edits				
			A co	urses	B auto-	C examinati	
hours	Course type and title		a contact hours	b preparation/ revision	nomous work	incl. prep	
ad in hours	Course type and title  L1 "Orthopaedic Rehabi	litation"	a contact	b preparation/	nomous		
		cepts in Prevention,	a contact hours	b preparation/ revision	nomous work	prep	
0	L1 "Orthopaedic Rehabi L2 "Evidence-based Con	cepts in Prevention, Therapy" herapeutic Planning	a contact hours 15	b preparation/ revision 15	nomous work	prep	
0	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise TI	cepts in Prevention, Therapy" herapeutic Planning	a contact hours  15  15  30	b preparation/ revision  15 15	nomous work 15 15	prep	
0	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise TI in Case of Orthopaedic Sy  Prerequisite(s) for	cepts in Prevention, Therapy" herapeutic Planning mptoms"	a contact hours  15  15  30	b preparation/revision  15  15  30	nomous work  15  15  30	90	
Workload	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise TI in Case of Orthopaedic Sy	cepts in Prevention, Therapy" herapeutic Planning ymptoms" Sum	a contact hours  15  15  30  (180) 60	b preparation/revision  15  15  30  60	15 15 30	90	
Workload	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise TI in Case of Orthopaedic Sy  Prerequisite(s) for examination Form(s) of assessment (scope) Contribution to final mark	cepts in Prevention, Therapy" herapeutic Planning mptoms"  Sum  None  L1: examination (40 m written report  25% from each exami different examination	a contact hours  15  15  30  (180) 60  ninutes), L2: example e	b preparation/ revision  15  15  30  60  mination (40 minutes) from practical semination possible	nomous work  15 15 30 30 30 30 ar; a compensation	90 ntation and	
0	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise Tl in Case of Orthopaedic Sy  Prerequisite(s) for examination Form(s) of assessment (scope) Contribution to final mark Form of module- component retake examination	cepts in Prevention, Therapy" herapeutic Planning mptoms"  Sum  None  L1: examination (40 m written report  25% from each exami different examination L1: examination (40 m PS: written report	a contact hours  15  15  30  (180) 60  ninutes), L2: example e	b preparation/ revision  15  15  30  60  mination (40 minutes) from practical semination possible	nomous work  15 15 30 30 30 30 ar; a compensation	90 ntation and	
Workload	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise Tl in Case of Orthopaedic Sy  Prerequisite(s) for examination Form(s) of assessment (scope) Contribution to final mark Form of module- component retake	cepts in Prevention, Therapy" herapeutic Planning mptoms"  Sum  None  L1: examination (40 m written report  25% from each exami different examination L1: examination (40 m	a contact hours  15  15  30  (180) 60  ninutes), L2: example e	b preparation/ revision  15  15  30  60  mination (40 minutes) from practical semination possible	nomous work  15 15 30 30 30 30 ar; a compensation	90 ntation and	
Workload	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise Tl in Case of Orthopaedic Sy  Prerequisite(s) for examination Form(s) of assessment (scope)  Contribution to final mark Form of module- component retake examination Form of module retake examination	cepts in Prevention, Therapy" herapeutic Planning mptoms"  Sum  None  L1: examination (40 m written report  25% from each exami different examination L1: examination (40 m PS: written report	a contact hours  15  15  30  (180) 60  ninutes), L2: example e	b preparation/revision  15 15 30 60  mination (40 minutes possible mination (40 minutes)	nomous work  15 15 30 30 30 30 ar; a compensation	90 ntation and	
Module examination Workload	L1 "Orthopaedic Rehabi L2 "Evidence-based Con Rehabilitation and Sport" PS "Sport and Exercise Tl in Case of Orthopaedic Sy  Prerequisite(s) for examination Form(s) of assessment (scope)  Contribution to final mark Form of module- component retake examination Form of module retake examination	cepts in Prevention, Therapy" herapeutic Planning mptoms"  Sum  None  L1: examination (40 m written report  25% from each exami different examination L1: examination (40 m PS: written report	a contact hours  15  15  30  (180) 60  ninutes), L2: example e	b preparation/ revision  15  15  30  60  mination (40 minutes  from practical semina possible mination (40 minutes	nomous work  15 15 30 30 30 30 i), PS: oral prese ar; a compensation,	90 ntation and	

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Additional information:	Guidance on module and required literature: see notice board / Date: see course
Additional information.	catalogue

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KSS-MS-08		Internal Rehabilitation	2 <sup>nd</sup>	sem.	6 CP		
Module		Internal Rehabilitation					
Module code		06-KSS-MS-08					
//Fac	culty/Subject/Departmen	Faculty 06 Department of Sports Science					
	ociated degree se/Semester taken	MSc Clinical Sport Physiology and Sport Therapy	MSc Clinical Sport Physiology and Sport Therapy				
Mod	ule coordinator	Cf. German version					
	equisites for participation	None					
Learning outcomes	The students are familiar rehabilitation as multidisciplinary and interdisciplinary management of a person's functional health in order to eliminate negative consequences of a disease and to achieve an improvement in the health-related quality of life. Besides the various forms of rehabilitation, they are also familiar with the legal fundamentals of rehabilitation and the relevant institutions and health care providers. The students acquire a profound knowledge of the role of symptomatology, clinical physiology and pathophysiology in the rehabilitation of commonly occurring internal symptoms and are familiar with how therapeutic effects can be achieved by means of sport and exercise.						
Module content	In the first lecture, the fundamentals of rehabilitation medicine will initially be introduced in order to explain in more detail subsequently the indication-specific characteristics of cardiological diseases such as the acute coronary syndrome, chronic heart failure, heart transplantation, etc. In the second lecture, sport therapeutic aspects in the rehabilitation of respiratory and metabolic diseases, tumours, etc. will be focused on. In the accompanying semina the planning of the rehabilitation process will be discussed, from a classification of functionality, impairment and health to risk stratification towards an individual therapy planning. Besides these theoretical considerations, practical knowledge regarding the implementation of exercise therapeutic measures referring to specific symptoms will be imparted within the framework of 6 units in cooperating rehabilitation clinics in the area.			coronary s in the seminar, nt and s,			
	entage share of uction form(s)	Lecture 50%/seminar 50%					
	Total workload	180 hours = 6 ECTS credits					
urs	Course type and title	A courses [ a contact b preparation/ hours revision	3 auto- nomous work		nination eparation		
ad in hours	L1 "Fundamentals of Rel Focus on Cardiological Re	nabilitation Medicine with a 15 15 habilitation"	15		45		
Workloa		nabilitation Sports and Sport 15 15 on-cardiological, Internal Diseases"	15	4:	5		
	PS "Sport and Exercise The in the Case of Internal Dis		30	9	90		
		Sum 60 60	60	1	.80		
	Prerequisite(s) for examination	Regular participation					
ation	Form(s) of assessment (scope)	L1 and L2: examination (40 minutes each) PS: oral presentation and written assignment					
examir	Contribution to final mark	30% from each examination and 40% from seminar; a compensation of the different examination components is possible					
Module examination	Form of module- component retake examination	L1 examination 40 minutes L2 examination 40 minutes					
	Form of module retake examination	Examination (80 minutes)					
Frequ	iency	Every year duration: 1 semester sum	mer semest	er			
Intak	e capacity	30 (seminar capacity)		-			

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Language of instruction	German
Additional information:	Guidance on module and required literature: see notice board / Date: see course
	catalogue

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KSS-MS-0904		Training and Ath	etics		1 <sup>st</sup>	sem.	6 CP
Mod	ule	Training and Athletics					
Mod	ule code	06-KSS-MS-0904	06-KSS-MS-0904				
//Fac	culty/Subject/Departmen	Faculty 06 Department of Sports Science					
/Associated degree course/Semester taken		MSc Clinical Sport Physiology and Sport Therapy, L3 Sports Science					
Mod	ule coordinator	Cf. German version	on				
Prere	equisites for participation	Performance Medicine					
Learning outcomes	The students acquire know Efficient strategies for imp flexibility will thus be impadocument and reflect on the sociented towards a perm Furthermore, the students "swimming". The students shall develop the necessar knowledge.	roving the motoric irted. The students he training process nanent improvemen acquire fundamen are familiarised wi	types of principa learn to apply the Particular focus nt and developme tal skills and view th methodologica	I stress as endurancese skills age- and to is placed on a multi ent in performance. It's in the field of app al forms of impartin	ie, power, veloc arget-group-ap -modal training dication of the g knowledge in	city as well propriatel g structure individual this area.	l as y and to e, which sport They
Module content	In the first practical seminar, a systematic overview of the structure of a multi-modal training process will be given.						
instruction form(s)		PS1 50%/PS2 50%	<u></u>				
	Total workload	180 hours = 6 ECT					
in hours	Course type and title		a contact hours	courses b preparation/ revision	B auto- nomous work		amination eparation
	Sum						
Workload	PS1 "Multi Modal Athlet	ic Training"	30	30	30	9	0
>	PS2 "Swimming"		30	30	30	90	
		Sum	60	60	60	180	)
tion	Prerequisite(s) for examination Form(s) of assessment (scope)	Regular participation/active participation/successful participation/giving a presentation/creating an essay  PS 1 and 2: oral presentation and written assignment for each component					
examina	Contribution to final mark	PS1: oral presentation 50%, written assignment 50% PS2: oral presentation 50%, written assignment 50%					
Module examination	Form of module- component retake examination	PS1 examination 40 minutes PS2 examination 40 minutes					
	Form of module retake examination	Oral examination	(30 minutes)				
Frequ	uency	Every year	duration: 1 se	mester s	summer semest	er	
	e capacity	30 students					
Langi	uage of instruction	German					

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Additional information:	Guidance on module and required literature: see notice board / Date: see course
	catalogue

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KSS-	MS-09	Special Sports and Nutritional	Therap	у	2 <sup>nd</sup>	sem.	6 CP
Mod	lule	Special Sports Therapy					
Mod	lule code	06-KSS-MS-09					
//Fa t	culty/Subject/Departmen	Faculty 06 Department of Spor	ts Scien	ice			
	ociated degree rse/Semester taken	MSc Clinical Sport Physiology a	ınd Spo	rt Therapy			
Mod	dule coordinator	Cf. German version					
Lect	urers	Cf. German version					
Prer	equisites for participation	None vith the characteristics of sport t					
Learning outcomes	approaches, especially cor the characteristics of child	esents one pillar of therapy and npared with the possibilities and ren, geriatric patients, psychoso ify a sport therapeutic intervent	l limitat matic/p	ions of nutrition the sychiatric and disab	rapy. The colled patients	ontact wit s will be ill	th and lustrated.
Module content	that are significant for reh intervention or body-orier will be imparted. In the se- diseases will be presented Symptoms which are signi- fibrosis, neurodermatitis, I developed. Important sym- organic mental disorders y described. Furthermore, d	portant therapeutic methods of pabilitative medicine, such as occured therapies will initially be illucted therapies will initially be illucted therapies will initially be illucted the practical seminar, target ficant in infancy and adolescence pronchial asthma, etc. will be deptoms from the spectrum disorcy will be presented and sport therapendency syndromes and physogranization will be focused on.	upation strated nutritio group s and w alt with der of so apeutic	al therapy, neuropsy.  Their integration in n and of dietetics wispecific aspects of sphich often occur in rand sport therapeuschizophrenia and affopossibilities and moderaped possibilities and mode	ychological to sport the thin the the ort therapy ehabilitatio tic concepts ective disorders of actio	and psycherapeutic erapy of control will be done, such as swill be done, such as swill be ders as won will be	nological concepts hronic ealt with. cystic ell as
	entage share of ruction form(s	Lecture 75%/seminar 25%					
	Total workload	180 hours = 6 ECTS credits					
urs	Course type and title	a con h	A cours tact ours		B auto- omous work		mination eparation
n ho	Sum						
Workload in hours	L1 "Integrated Performa rehabilitative Therapeuti	nce Development in Preventive c Sports"	- 15	15	15		45
Wor	L2 "Nutrition Therapy in	Case of Chronic Diseases"	15	15	15		45
	L/PS "Practical Sport The Psychosomatics, Psychiat	rapy in Paediatrics, Geriatrics, ry and with Disabled"	30	30		30	90
		Sum 6	50	60	60		180
	Prerequisite(s) for examination	None					
nation	Form(s) of assessment (scope)						
exami	Contribution to final mark	30% from each examination an examination components is on	ly possil		npensation	of the dif	ferent
Module examination	Form of module- component retake examination	L1 + 2: examination 40 minutes PS: written report	each				
Form of module retake examination (30 minutes)							

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Frequency	Every year/semester	duration: 1 semester	summer semester
Intake capacity	Unlimited (capacity of lecture	hall)	
Language of instruction	German		
Additional information:	itional information:  Guidance on module and required literature: see notice board / Date: see course catalogue		pard / Date: see course

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KSS-	MS-1113	Sports Therapy Practical Training	3 <sup>rd</sup> sem.	9 CP	
Mod	dule	Sports Therapy Practical Training			
Mod	Module code 06-KSS-MS-1113				
//Fa	//Faculty/Subject/Department Faculty 06 Department of Sports Science				
	ociated degree rse/Semester taken				
-	dule coordinator	Cf. German version			
	equisites for participation	Sport Special Sports Therapy			
Learning outcomes	As interns, the students gain insight into a clinical sport therapy field of occupation and into sport medicine/sport therapy field of occupation which can be freely selected by the students. Therein, they gain experience in the clinical environment and in the direct contact with patients with different internal symptoms. The knowledge acquired in their studies is thus brought together with practical tasks and skills. The students gain an orientation for developing their occupation-related perspectives (career planning) through a close cooperation with the rehabilitation clinics and their academic staff. The experiences of the placement can influence the selection of the master's dissertation.				
Module content	The 6-week placement comprises a 3-week period either at the Südpark-Klinik or at the Kaiserbergklinik in Bad Nauheim. It is a modern and high performance rehabilitation clinic with speciality departments in the fields of Internal Medicine/Cardiology and Psychosomatics or Orthopaedics. A practical insight into the occupational field of sport therapists will be given in close cooperation with doctors and therapists. The students are in close contact with various patient cases, ranging from acute patients to patients at the end of an in-patient rehabilitation phase. In the second phase of their placement, the students select another placement from a choice of clinics/rehabilitation clinics/Olympic centres etc. The possibility of a sport therapy placement in the Hochgebirgsklinik in Davos, Switzerland also exists.  In an introductory course, organizational issues regarding the placement will be dealt with, for example, requirement criteria, documentation of the placement, writing of reports, visiting an occupational event or congress (e.g. DVS Gesundheitskongress, DGPR-Tagung, etc.).				
	entage share of ruction form(s	Placement, placement course			
111361	Total workload	270 hours = 9 ECTS credits			
S.	Course type and title	A courses B au a contact b preparation/ nomo		mination eparation	
n hou	Sum				
Workload in hours	Placement 260	230 30			
Wo	Placement Course	10			
	270	Sum 240 30			
tion	Prerequisite(s) for examination	Documentation of the placement with weekly updates, placen a placement index card	nent certificate, v	vriting of	
Module examination	Form(s) of assessment (scope)	Written report of placement (tasks and activities during the placement; acquired knowledge and skills; reflection)			
Jule ex	Contribution to final mark	Grading of the written report			
Moc	Form of module retake examination	1-hour oral retake examination regarding the activities in the $\ensuremath{\text{\scriptsize  }}$ report	olacement and th	e written	
Impl	ementation/frequency	Every semester duration: 6 full-time weeks wir The student can begin the placement in the semester holidays 3 <sup>rd</sup> semester being so that a punctual completion of the placer		es of the	

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	dissertation is guaranteed. The workload will be fully included in the 3 <sup>rd</sup> semester.
Intake capacity	30
Language of instruction	German
Additional information:	Advice on module, possible placements and placement organisation: see notice board

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KSS-	MS-1214	Current Developments in Exercise Medicine and Sports Therapy	3 <sup>rd</sup> sem.	3 CP
Mod	ule	Current Developments in Exercise Medicine and Sports The	erapy	•
Mod	ule code	06-KSS-MS-1214		
//Fac	culty/Subject/Department	Faculty 06 Department of Sports Science		
/Asso	ociated degree	MSc Clinical Sport Physiology and Sport Therapy, BSc Physica	al Activity and He	alth
cour	se/Semester taken			
Mod	ule coordinator	Cf. German version		
Lecti	ırers	Cf. German version		
Prere	equisites for participation	None		
Learning	learn to read and understant to understand, reason, and a designs for specific issues an	ew of current research topics in the area of exercise medicine doriginal works published in internationally acknowledged jourless critically reflect on their curriculum. They will be trained in display, and important objective of the module is to prepare the side of sport physiology and sport therapy from a national side.	urnals. The stude n developing owr the students for	nts learn n study
Module content	journals and present their was an introduction of the an illustration and continue an illustration of the an illustration of the a discussion.	uction of the topic, ation of the relevant questions and hypotheses, ation and critical reflection of the methodology, ation of the results, on. ue presenting students as well as the other seminar participants are called upon to critically		
Perce form	entage share of instruction (s)	Seminar 100%		
	Total workload	90 hours = 3 ECTS credits		
ad in hours	Course type and title	A courses B aut a contact b preparation/ nome hours revision wo	ous incl. pr	mination eparation
Workload	S "Planning, Implementing Academic Investigations"	ng and Assessing 30 60		
		Sum (90) 30 60		
_	Prerequisite(s) for examination			
Module examination	Form(s) of assessment (scope)	Regular and active participation and preparation of the texts work	, presentation of	original
Xarr	Contribution to final mark	Mark for presentation (100%)		
نه	Form of module retake examination	Oral examination (45 minutes)		
Frequ	iency	Every year duration: 1 semester summer sem	ester	
Intak	e capacity	30 students		
Langu	uage of instruction	English/German		
Addit	ional information:	Guidance on module and required literature: see notice boar catalogue	rd / Date: see cou	ırse

KSS-MS-05 Biometrics and Informatics 1 <sup>st</sup> sem.	6 CP
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Module	Biometrics and Informatics						
Module code	06-KSS-MS-05						
//Faculty/Subject/Department	Faculty 11 Medicine, Faculty 06 Department of Sports Scien	ce					
/Associated degree course/Semester taken	Medicine, MSc Clinical Sport Physiology and Sport Therapy						
Module coordinator	Cf. German version						
Prerequisites for participation	None						
principles of statistical test: scientific data will be acqui knowledge of the types of sand description as well as t	The students have knowledge of the fundamental terms of descriptive statistics. They are familiar with the principles of statistical tests for dependent and independent random samples. Knowledge of the illustration of scientific data will be acquired, which also comprises medical documentation. The students acquire a profound knowledge of the types of studies in epidemiology. The occurrence frequency of disease in terms of measurement and description as well as the consideration of influencing factors and effect-sizes in order to assess calculations and interpretations of prevention methods, early diagnosis, and rehabilitation will be imparted.						
experiment, a study or comdispersion parameters for on the calculating of necessary accompanying seminar, the epidemiological studies with will be focused on.	terms of descriptive statistics, such as the description of data spilation, frequency distributions of discrete and steady feature describing distributions and their interpretability will be present as sample sizes for investigations and the application of different planning, implementation, interpretation, and illustration of the consideration of the historical background, guidelines, and consideration of the historical background, guidelines, and consideration of the historical background.	es as well as locat ited. The students it statistical tests. the results of clinic	learn In the cal or				
Percentage share of instruction form(s)	Lecture 50%/seminar 50%						
Total workload	180 hours = 6 ECTS credits						
Course type and title	A courses B au a contact b preparation/ nom hours revision wo	nous incl. pro	mination eparation				
<u>E</u> 30111							
Sum  L "Medical Biometry, Epi 90 Informatics"							
S "Planning and Interpre	S "Planning and Interpreting Clinical Studies" 30 60						
180	Sum 60 120						
Prerequisite(s) for examination	Regular participation						
Form(s) of assessment (scope)	L + S: combined examination (90 minutes)						
Contribution to final mark	Examination mark (100%)						
Form(s) of assessment (scope)  Contribution to final mark  Form of module-component retake examination	Examination						
Form of module retake examination	Examination						
Frequency	Every year duration: 1 semester winter se	mester					
Intake capacity	30 (seminar capacity)						
Language of instruction	German						
Additional information:	Guidance on module and required literature: see notice board catalogue	l / Date: see cours	е				
KSS-MS-1410	Methods in Sports Medicine and Nutritional Research	2 <sup>nd</sup> sem.	6 CP				

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Mod	ule	Methods in Sports Medicine and Nutritional Research					
Mod	ule code	06-KSS-MS-1410					
//Fac	culty/Subject/Department	Faculty 09 Nutritional Science, Faculty 06 Sports Science					
	ociated degree se/Semester taken	Master Nutritional Science, MSc Clinical Sport Physiology and Sport Therapy					
Mod	ule coordinator	Cf. German version					
Prere	equisites for participation	Biometrics and Computer Science					
Learning outcomes	The students acquire a profound knowledge in the application of sport medical and nutritional methods. The students have knowledge and skills in the statistical planning of complex experiments, and in the graphic and numeric editing of multivariate data. They have an overview of the principles and the validity of various method (sport) medical and nutritional research and learn to deal with different study designs as well as with their advantages and disadvantages. In both scientific disciplines, they learn about relevant performance diagnostic, cytological, molecular biological, spectrophotometric and chromatographic methods. They also acquire knowled of the qualitative and quantitative validity of these analytical methods.  The students learn the fundamental skills for applying the following methods:						
Module content	biological studies Repetition of the Spirometry/spiror Methods for asset Differential diagn Photometry, spect Genomics (analys Proteomics (e.g. proteomics) Enzyme kinetics (led) Determining the elementation all Application of sta	fundamentals and principles of applied statistics ergometry ssing physical activity (accelerometry, etc.) ostic performance trofluorometry, and flow cytometry is of gene expression, microarrays, PCR, etc.) orotein purification by means of affinity chromatography, SDS gel analysis, two- lectrophoresis, ELISA, etc.) linear and nonlinear regression) entire antioxidant capacity in biological material and interpretation of multifactorial experiments and studies tistical software packages					
	entage share of uction form(s)	Lecture 1 and 2 each 50%					
	Total workload	180 hours = 6 ECTS credits					
n hours	Course type and title	A courses B auto- C examination a contact b preparation/ nomous incl. preparation hours revision work					
Workload in hours	L1 "Methods in (Sport) Medical Research" 30 60 90						
W	L2 "Methods in Nutritional Research" 30 60 90						
	180	Sum 60 120					
uc	Prerequisite(s) for examination	Regular and active participation					
. <u>e</u>	Form(s) of assessment	Examination 90 minutes each					
aminatio	(scope)						
dule examination	(scope)  Contribution to final mark	50% L1, 50% L2; a compensation of the different examination components of both lectures is possible					

Form of module-

examination

component retake

L1 examination 90 minutes

L2 examination 90 minutes

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	Form of module retake	Oral examination	Oral examination (30 minutes)				
	examination						
Frequ	ency	Every year	duration: 1 semester	summer semester			
Intake	capacity	30 (laboratory ca	apacity)				

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Pleas	e note that only the German version of	the modules is official and	d legally bindin	g. The English versio	n is for informati	ve purposes only.	1		
KSS-	-MS-15	Setting up in B	Business			3 <sup>rd</sup> + 4 <sup>th</sup>	ˈsem.	6 CP	
Mod	dule	Setting up in E	Setting up in Business						
Mod	dule code	06-KSS-MS-15	06-KSS-MS-15						
//Fa	culty/Subject/Department	Faculty 02 Bus	Faculty 02 Business Studies, chair BWL VIII						
	sociated degree rse/Semester taken	Business Studi	es, MSc Cl	nical Sport Ph	ysiology and	Sport Therapy	•		
Mod	dule coordinator	Cf. German ve	rsion						
Prer	requisites for participation	Orthopaedic R http://wiwi.un				; online registra /995/	ation via:		
Learning outcomes	The students are familiarised with the fundamental and advanced theories, concepts and processes of establishing a company. Hereby, a real-life application is taken as the central aspect. This application-oriented approach will be additionally supported by means of advanced elaboration of the topic and through the regular involvement of practitioners with experience in the establishment of own enterprises.							ch will be	
Module content	<ul> <li>Fundamentals of Business Studies</li> <li>Fundamentals and process of a business establishment</li> <li>Success and risk factors for newly established enterprises</li> <li>Choice of legal form and legal aspects of business establishment</li> <li>Market analysis, marketing strategies and pricing</li> <li>Financing young companies</li> <li>Tax fundamentals and accounting for new enterprises</li> <li>Creating business plans</li> <li>Organisation of newly established enterprises and young companies</li> <li>Human resources management for newly established enterprises and young companies</li> <li>Patent and brand strategies for newly established enterprises and young companies</li> <li>Choice of location for newly established enterprises and young companies</li> <li>Advancing forms of financing of young companies (e.g. initial public offering)</li> <li>Strategies of internationalisation for newly established enterprises and young companies</li> </ul>								
	centage share of ruction form(s)	Lecture 100%							
	Total workload	180 hours = 6 EC	TS credits						
				ourses		B auto-	C exam	ination	
nours	Course type and title	a	contact hours	b preparation	on/	nomous work	incl. p	reparation	
ij	Sum								
Workload in hours	L1 "Entrepreneurship I'			30	60				
>	L2 "Entrepreneurship II 90	,,		30	60				
	180	S	um	60	120				
uo	Prerequisite(s) for examination	Regular participa	ition						
minati	Form(s) of assessment (scope)	Lecture 1 + 2: ex	amination	60 minutes ea	ch				
ile exai	Contribution to final mark	Examination mai	rk (100%)						
Module examination	Form of module- component retake examination	Examination							

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	Form of module retake examination	Examination			
Frequ	ency	Every year	duration: 2 semesters	winter semester: L1 summer semester: L2	
Intake capacity Unlimited (capacity of lecture hall)					
Language of instruction		German/English			
Additi	ional information:	Guidance on mo	odule and required literature: so	ee notice board / Date: see course	

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KSS-I	MS-16	Thesis			4 <sup>t</sup>	<sup>th</sup> sem.	27 CP		
Mod	ule	Thesis							
Mod	ule code	06-KSS-MS-16							
//Fac	culty/Subject/Department	Faculty 06 Departm	Faculty 06 Department of Sports Science						
	ociated degree se/Semester taken	MSc Clinical Sport P	hysiology and S	port Therapy, 4th	semester				
Mod	ule coordinator	Cf. German version							
Prere	equisites for participation	All modules MSc, ex Company(for part							
The students demonstrate their specialised skills of  autonomously working on a scientific research question,  planning, implementing and interpreting an empirical-experimental investigation,  writing an academic report,  presenting results and defending these when critically challenged.									
Module	The students demonstrate dissertation. They apply th to their own scientific ques of scientific work.	eir technical and meth tion in an advanced m	odological knov anner. They acc	vledge, which they quire knowledge re	acquired in tegarding the t	their degre time mana	e course, gement		
	entage share of uction form(s)	Autonomous work/pa interpretation, and w	•	_	ng the plannir	ng, implem	entation,		
	Total workload	810 hours = 27 ECTS o	redits						
S	Course type and title		A co a contact hours	urses b preparation/ revision	B auto- nomous work		mination eparation		
Workload in hours	Master's Dissertation 750				750				
Worklo	Talks with Supervisor 50		20	30					
	Defence Master's Diss	ertation	2	8					
	810	Sum	22	20	40		750		
tion	Prerequisite(s) for examination	-							
xamina	Form(s) of assessment (scope)	Submission of master examination (defence			a timeframe	of 165 day	ys, oral		
Module examination	Contribution to final mark	Mark for the master's	Mark for the master's dissertation. The oral examination (defence) must be passed.						
Ĭ	Form of module retake examination	Re-submission of disse	Re-submission of dissertation according to § 34 par. 2 General Regulations						
Frequ	iency	Every semester		winter and s	summer seme	ester			
	e capacity	30		,					
	uage of instruction	German/English							
Addit	ional information	Guidance on module and required literature: see notice board							