LITHUANIAN SPORTS UNIVERSITY

STUDY MODULE PROGRAMME (SMP)

Module Code		e	В	115 M		009	Accredited		Renewal date			
		•	Branch	of Science	Progr.	Registr. №.	until					
	lement	~ ~ ~ ~ ~	tion of Di	ala ai aal Tiaar								
	equisites	oper	ties of Bi	ological Tiss	les							
	nelor's deg	ree										
	rse (modul		earning (Dutcomes								
№.	Learning					Teaching / Learn	ing Methods		Assessment Methods			
1	biomecha	anica the c	al propert	e and interpre- ies of muscles d consequenc	s and	Case analysis (Ca Discussion, Form		nar	Examination			
2	Will be a biomecha tendons,	ble t	al propert	n research on ies of muscles nterpret the re	s and	Individual projec Library / informa Practical exercise	tion retrieval tas		Control work, Oral presentation, Report			
	n aim											
relat prov their stud	To provide students with knowledge about the biomechanical properties of muscles and tendons, their relationship with the structure of muscles and tendons; to acquaint with research and analysis methods; to provide skills in interpreting the characteristics of biomechanical properties of muscles and tendons, analyzing their changes in terms of age, gender, physical activity, sports workload, and to provide practical skills in the study of biomechanical properties of muscles and tendons.											
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prop to un bion dyna	erties of m nderstand t nechanical	nusc their proj elec	les and te connecti perties of tromyog	ndons, to get on with the m muscles and caph, ultrasou	acquaint orpholog tendons	gy of the biotissue	anical models of es; to learn to pla ethods and meas	muscle m and p uring d	es and tendons and perform studies of evices (isokinetic			
Leve	el of modu	le										
L Cycl	evel of pro	ogra Typ		Subje	ect group	o (under the regul	ation of the area))	Subject level			
Seco		Mas		Bendrojo ur	iversitet	inio lavinimo			Deepening			
Grou	ıp under fi	nano	cial classi	fication								
Sylla	abus											
№.				Sec	ctions an	d themes			Responsible lecturer			
1.												
2.	biomechanical properties. Mechanical models of muscles and tendons. . Methodology of research on biomechanical properties of muscles and tendons. Peculiarities of biomechanical properties of muscles and tendons in terms of age,											
3.	 Methodology of research on biomechanical properties of muscles and tendons. Peculiarities of biomechanical properties of muscles and tendons in terms of age, gender and training. 											
4.				hanical prope	erties of	muscles and tende	ons, and their da	mage.				
5.	Influence	e of s	sports tra	ining on the n	nechanic	al properties of m	uscles and tendo	ons.				
6.	Significa performa			chanical prop	erties of	muscles and tend	ons for athletic					

Evaluation procedure of knowledge and abilities:

References

N <u>∘</u> .		Title	Sports U	Lithuanian Jniversity rary	In Lithuanian Sports University	Number of ex. in the methodical	
			Pressmark	Number of exemplars	bookstore	cabinet of the depart.	
1.		, & BUSSEY, M. (2013). Sports educing injury risk and improving			No		
1.	sports performan				110		
2.	Hayes, A., Easto Kirk, T. B., & Li to measure tendo surgery and rese	No					
3.	Nordez, A., & M. stretching chang properties? A rev	endes, B., Le Sant, G., Andrade, R. J., Iilanovic, Z. (2018). Can chronic e the muscle-tendon mechanical view. Scandinavian journal of nce in sports, 28(3), 794-806.			No		
4.	McCrum, C., Le K., & Karamanio extensor muscle	ow, P., Epro, G., König, M., Meijer, dis, K. (2018). Alterations in leg tendon unit biomechanical properties mechanical loading. Frontiers in			No		
5.	Digiacomo, J. E. B. (2018). Sex D of the Achilles T Repetitive Loadi	seph, M. F., Daigle, N. R., , Galer, J., Rock, E., & Sureja, P. Differences in Mechanical Properties Yendon: Longitudinal Response to ng Exercise. The Journal of Strength Research, 32(11), 3070-3079.			No		
6.		& Gandevia, S. C. (2019). The passive			No		
7.	Benjamin, M., Kaiser, E., & Milz, S. (2008).NoStructure-function relationships in tendons: a review.NoJournal of anatomy, 212(3), 211-228.No						
	itional literature						
<u>№</u> .	Title						
C001	rdinating lecturer	Decree and and a		I	Cohedral N		
	Position	Degree, surname, name	ت		Schedule N 303	<u>v</u> .	
Sub	division			1	303		
Bub		Entitlement				Code	

Study module teaching form №. 1

							Structu		т	otol				
Seme	ster	Mode	of st	tudies	Theo	ory	Seminars	Lab Works		Ind. work	1	otal ours	Cre	dits
А	S		D		4		12	1	14	230	2	260	1	0
Language	Languages of instruction:													
Lithuania	n L	English	Е	Russia	n R		French	F	(German	G		Other	Oth.

Plan of in-class hours

No. of Thomas		Academic h	ours	No. of Thomas		Academic h	ours
№. of Themes	Theory	Seminars	Lab Works	№. of Themes	Theory	Seminars	Lab Works
1.	2	2	3	4.	1	2	0
2.	1	2	9	5.	0	2	2
3.	0	2	0	6.	0	2	0
			Total:	4	12	14	

Schedule of individual work tasks and their influence on final grade

	syllabus ho	-	Influence on grade,	W	/e	ek	of	f p	res	sen	tme		of ta o)	ask	(*)	and	rep	oorting
		hours	%	1	2	34	15	6	78	39	10	11	12	13	14	15	16	17-20
Individual project	1-6	55	20	*													0	
Oral presentation	1-6	25	10	*													0	
Reflection on action	1-6	25	10	*													0	
Exam	1-6	100	50	*														0
Laboratory notes and report	2	25	10			*							0					
Total:	-	230	100															