## LITHUANIAN SPORTS UNIVERSITY

# STUDY MODULE PROGRAMME (SMP)

Module Code		В	710	В	123	Accredited		Renewal date				
		Branc	h of Science	Progr.	Registr. №.	until						
1	tlement											
	esiology											
-	equisites											
			iences, Basics	in Physi	otherapy							
Cou	rse (modul	e) Learning	Outcomes									
№.	Methods											
1		e to learn ar ently and tal	nd work ke responsibili	ity for	Exercise classes, analysis, Simulat technology or pr	tion (engineering	g,	re Group work, Test				
2	functiona		e and interpre Skeletal musc al skeleton.		Exercise classes, Practical exercise			Reporting for practice work, Test				
3	Integrate knowledge of anatomy, functional anatomy and biomechanics.     Formal lecture     Test											
4	To be able to create, apply and justify											
Maiı	n aim	•										
Dev	elop the ab	ility based of	on biomedical	science	and proven expen	rtise to examine	move	ment patterns and				
featu	ares of bon	es, muscles,	, joints, skelet	on of the	healthy, orthope	dic patient who	had e	xperienced trauma, has				
skel	etal-muscle	e system pat	hologies, orth	opedic c	onditions. Develo	op the ability to	create	, adapt and justify an				
appl	ied physica	al exercises.										
-	mary											
								tween bones, muscles,				
					. Pathokinesiolog							
								each anatomical				
					on of kinesiology							
			lysis of the ar	ea releva	int scientific artic	cles is included i	nto m	odule activities.				
Leve	el of modul											
		programme	<u>,</u>		Subject group (u	nder the regulat	ion of	the area)				
Cyc		Туре				C		,				
First		Bachelor		ialaus lav	vinimo							
		nancial clas	sification									
Sylla	abus		~ -					<b>T</b>				
<u>№</u> .				ons and				Responsible lecturer				
1.			structure, eva		criteria.							
2.		21	. Ostheokiner									
3.	Arthrokinematics. Muscle and joint interaction.											
4.	Kinetics. Strength, tork, lever arm.											
5.	Static and dynamic function of the muscle. Muscle action direction, vectors											
6.			tics of the axia									
7.	Breathing kinesiology, muscle and joint interaction.											
8.			J kinesiology a	-								
9.					pathokinesiology	/.						
10.	Elbow an	d forearm, l	kinematics, ki	netics, pa	athokinesiology.							

N <u>∘</u> .	Sections and themes	Responsible lecturer
11.	Wrist and hand kinematics, kinetics, pathokinesiology.	
12.	Pelvis and hip kinematics, kinetics, pathokinesiology.	
13.	Knee kinematics, kinetics, pathokinesiology.	
14.	Ankle and foot kinesiology.	

Evaluation procedure of knowledge and abilities:

Ten grade criterion scale and summative evaluation system are applied. The semester's individual work tasks are evaluated by grades; the final grade is given during the examination session while multiplying particular grades by the lever coefficient and summing up the products.

#### References

				n Lithuanian versity library	In Lithuanian	Number of ex. in the					
№.	Title	Γ	Pressmark	Number of exemplars	Sports University bookstore	methodical cabinet of the depart.					
1.	Donald A. Neumann. Kinesiology Musculoskeletal System: Foundat Rehabilitation.(2016). Hardcover: 3 edition	ions for			No						
Add	itional literature										
№.	Title										
1.	<ul> <li>Malloy, P., Neumann, D. A., &amp; Kipp, K. (2019). Hip Biomechanics During a Single-Leg Squat: 5 Key</li> <li>Differences Between People With Femoroacetabular Impingement Syndrome and Those Without Hip Pain. Journal of Orthopaedic &amp; Sports Physical Therapy, 49(12), 908-916.</li> </ul>										
2.	Camargo, P. R., & Neumann, D. A scapulothoracic muscles-part 2: tr	· /	U		0 0	n of					
3.	<ul> <li>Deering, R. E., Senefeld, J., Pashibin, T., Neumann, D. A., Cruz, M., &amp; Hunter, S. K. (2018).</li> <li>Fatigability of the lumbopelvic stabilizing muscles in women 8 and 26 weeks postpartum. Journal of Women's Health Physical Therapy, 42(3), 128-138.</li> </ul>										
4.	4. Deering, R. E., Senefeld, J. W., Pashibin, T., Neumann, D. A., & Hunter, S. K. (2017). Muscle function and fatigability of trunk flexors in males and females. Biology of sex differences, 8(1), 12.										
5.	Neumann, D. A. (2010). Kinesiology of the hip: a focus on muscular actions. journal of orthopaedic & sports physical therapy, 40(2), 82-94.										
6.											
Coor	rdinating lecturer										
	Position	Degree,	, surname,	name	Schedule	e №.					
	Associate Professor				670						

Subdivision

Entitlement

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2001

Code

## Study module teaching form №. 1

						Struct	ure		Total		
Seme	ester	M	ode of stud	les	Theory	Seminars	La Wo		hours	Credits	
Α	S D 30 0		3	0 200	260	10					
Languages of instruction:											
Lithuania	an L	Engli	sh E	Russia	in R	French F Germa		n G	Other Oth.		
Plan of in-class hours											
N₀, of Themes Academic hours N₀, of Themes Academic hours											
JNº. 01 11	lemes	Theory	Seminars	Lab	Works	JNº. OI THEI	nes	Theory	Seminars	Lab Works	
1.		1	0		0	8.		2	0	2	

	Academic h	ours	No. of Thomas		Academic h	ours
Theory	Seminars	Lab Works	Jvº. Of Themes	Theory         4           4         3           3         4           3         3           4         3           3         3           3         3	Seminars	Lab Works
1	0	0	9.	4	0	4
1	0	0	10.	3	0	2
1 0 0		0	11.	3	0	4
1	0	1	12.	4	0	4
3	0	6	13.	3	0	2
7. 0 0 1		14.	3	0	4	
			Total:	30	0	30
	Theory           1           1           1           3           0		Academic hours         Theory       Seminars       Lab Works         1       0       0         1       0       0         1       0       0         1       0       0         1       0       0         1       0       0         1       0       1         3       0       6         0       0       1	Theory         Seminars         Lab Works         №. of Themes           1         0         0         9.           1         0         0         10.           1         0         0         11.           1         0         1         12.           3         0         6         13.           0         0         1         14.	Theory         Seminars         Lab Works         No. of Themes         Theory           1         0         0         9.         4           1         0         0         10.         3           1         0         0         11.         3           1         0         1         12.         4           3         0         6         13.         3           0         0         1         14.         3	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

## Schedule of individual work tasks and their influence on final grade

	No. of syllabus ∣	Total	Influence on grade, %	Week of presentment of task (*) and reporting (o)																
		hours		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17-20
Test	1-10	70	35	*			0	)												
Test	11-20	70	35	*						0										
Test	21-30	60	30	*									0							
Total:	-	200	100																	