

## LITHUANIAN SPORTS UNIVERSITY

## STUDY MODULE PROGRAMME (SMP)

Ма	dule Code	В	440		В	048	Accredited			Rer	newal	date		
IVIC	dule Code	Branch	n of Scie	ence Progr.		Registr. №.	until							
Enti	Entitlement													
Sport (exercise) nutrition and antidoping														
Prerequisites														
Knowledge of biology, biochemistry														
	Main aim													
	ITo promote personal and professional development of students in relation to communication skills,													
	ability to apply recent scientific evidence considering impact of life style modification including changes													
in nutrition.														
	Provided knowledge and abilities tudents will know the general principles of nutrition and nutrients requirement, exercise nutrition is													
												( 1) .		
							recognition. St or muscle and e							
						ment in athlete		xerc	ise me	abom	sin, en	lergy		
			sports,	w cigi	n manage	ment in atmete								
	Summary his module the focus is on principles and essentials of human nutrition, biochemistry with the main													
							ated understand							
							g of the basics							
							pon how nutriti					e		
hum	an health and	d disease	across	all sta	ges of the	life.	-				-			
Leve	el of module													
	Level of pro	ogramme	<b>;</b>		S	ubiact group (u	ndor the regula	tion	of the	oroo)				
Cyc	le Ty	pe		Subject group (under the regulation										
First Bachelor Bendrojo universitetinio lavinimo														
Grou	ıp under fina	ncial clas	ssificati	on										
Sylla	abus													
№.			Se	ctions	and then	nes			Respo	nsible	lectur	er		
1.	Introduction	n												
2.	Proteins requirement													
3.	Energy requirement													
4.	Weight management													
5.	Carnohydrates before exercise, competition, recovery													
6.	Endurance athletes nutrition													
7.	Supplements in sport													
8.	Nutrition ar	nd immur	ne funct	tion										
9.	Doping													
Teac	Teaching/learning methods:													

This module the focus is on principles and essentials of human nutrition, biochemistry with the main purpose of helping the students to develop a holistic and integrated understanding of this complex multifaceted scientific domain. Students will have understanding of the basics of the subject, the properties and sources of nutrient, and have focused attention upon how nutrition-related factors shape human health and disease across all stages of the life. Evaluation procedure of knowledge and abilities:

References

№.	Title		Sports	n Lithuanian University brary	In Lithuanian Sports University	Number of ex. in the methodical					
			Pressmark	Number of exemplars	bookstore	cabinet of the depart.					
1.	Gibney M., Vorster H., Ko Introduction to Human Nu 63205624-x Oxford, UK				No	2					
2.	Jeukendrup, M. Gleeson 2 Human Kinetic, USA	016 Sport Nutrition,		4	No	2					
3.	A. Skurvydas ir kt 2006 Sveikata ir Fizinis aktyvumas ISBN 9955-622-30-x LKKA, Kaunas30No										
4.	Burke L., Deakin V. 2006 Clinical sports nutrition, ISBN 0 074 70828 7 McGraw-Hill, Australia 4 No 2										
5.	WADA Anti-doping Text www.antidopinglearningh				No						
Add	itional literature		-								
№.	Title										
1.	Choi E V. Cho V O. (2013) Interaction of physical trainings and coffee intakes in fuel utilization										
2.	Pinckaers P.J., Churchward-Venne T.A., Bailey D., Van Loon L.J. (2017) Ketone Bodies and Exercise Performance: The Next Magic Bullet of Merely Hype? Sport Med; 47(3):383-391.										
3.	Rosset R., Lecoultre V., Egli L., Cros J., Dokumaci A.S., Zwygart K., Boesch C., Kreis R., Schneiter P., Tappy L. (2017) Postexercise repletion on muscle energy stores with fructose or glucose in mixed meals. Am J Clin;105(3):609-617.										
4.	Jeff S. Volek, Timothy No exercise European Journal				at as fuel for endu	irance					
5.	McBride A, Hardie DG. A ATP? Acta Physiol. 2009;		kinase: a se	ensor of glyco	gen as well as AN	MP and					
6.	www.antidopinglearningh	ub.org/en/textbook/wl	hat-is-dopir	ng							
7.	David R. Mottran and Nei		- -	-	d 2						
8.	Anti-Doping Convention of the Council of Europe. http://conventions.coe.int/Treaty/en/Treaties/Html/135.htm										
9.	Hatton CK, Green GA, Ar	Hatton CK, Green GA, Ambrose PJ. 2014. Performance-enhancing drugs: understanding the risks. Phys Med Rehabil Clin N Am. 2014 Nov;25(4):897-913									
10.	Vogliardi S, Tucci M, Sto	Vogliardi S, Tucci M, Stocchero G, Ferrara SD1, Favretto D. 2015. Sample preparation methods for determination of drugs of abuse in hair samples: A review. Anal Chim Acta. 2015 Feb 1;857:1-27.									
11.	Burke L., Castell L., Casa D. et al. International Association of athletics Federations Consensus										
Coor	rdinating lecturer										
	Position	Degree	e, surname,	name	Sched	edule №.					
	Associate Professor	Assoc. Prof.				46					
Subo	livision										
		Entitlement	-			Code					
	Departme	nt of Health Promotio		bilitation		2006					
L	Departitie					2000					

## Study module teaching form №. 1

				Structu	Total			
Seme	ester	Mode of studies	Theory	Theory Seminars		Ind. work	hours	Credits
А	S	D	0	0	0	130	130	5

Languages of instruction:														
Lithuan	ian L	an L English		Ε	Russian	R	French	F	German	G		Other	Oth.	
Plan of i	Plan of in-class hours													
№. of T			Academic hours					Ma of Thomas		Academic hours				
JNº. 01 1	nemes	Theor	y Se	eminars	hars Lab Works		№. of Themes		Theory	Semi	nars	Lab Works		
	i							otal:	0	0		0		
Schedul	Schedule of individual work tasks and their influence on final grade													
	No of	willohu a	Total				Week of presentment of task (*) and reporting (o)						g (o)	
	JNº. 01 S	of syllabus hour		Influence on grade, %		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16					17-20			
Total:		-	0		0									