CONTENT

UDSE INFODMATION I ETTED

	CL	JUKSE INFORM	MATION LET I	ER	
University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: KF, AFS/05	Course na	ame: Ancient Ph	ilosophy and Pre	sent Times	
Course type, so Course type: Recommende Per week: 2 P Course metho	cope and the me Practice d course-load (h er study period: od: present	thod: nours): : 28			
Number of EC	TS credits: 2				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: I	[.				
Prerequisities:					
When impleme 40% - continuo 60% - final test KF citation star In the case of a philosophical to deadline, will b to the same exte	nting the subject us assessment of , or seminar pape ndard for seminar a transition to dis exts and process be assigned point ent as in the face	in the classical - Student activity er in the range of r and qualificatio stance education, ing the task in w s (partial assesses -to-face form tea	face-to-face - for at seminars, parti 210 A4 standard n papers. students will be vritten form, which nent) and at the e ching.	rm of teaching: ial seminar work pages (with com assigned sub-tas ch must be subn end will prepare	- assignment. pliance with the sks for studying nitted by the set a seminar paper
Learning outco	omes:				
Brief outline of Point out the ro the 3 pillars of H the interconnect of the issues of society, where which Europe a and problems of today's form of	the course: ots of Western cir European culture, etedness of ancien thought formation the emergence of and European hum of today if he disc Society, thinking	vilization that go , reveal the origin nt philosophy an on, the relationsl f mathematical n manity stand. Th covers the founda g, science and cul	back to the Greek s of democracy and d EPISTEME with hip between philo atural science in e student will be ttions and context ture.	ks. The ancient C nd critical thinkir ill enable a bette osophy and scien the 17th century able to understan ts leading to serie	Freeks, as one of ng. Emphasizing r understanding nce, and modern r is the pillar on nd the questions ous questions of
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessn Total number o	nent f assessed studen	nts: 31			
А	В	C	D	Е	FX
80.65	6.45	6.45	0.0	6.45	0.0
	· · · · · · · · · · · · · · · · · · ·	•	•	•	A

Provides: doc. PhDr. Peter Nezník, CSc.

Date of last modification: 24.08.2022

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚCHV/ BAM1/00	Course name: Biochemical Analytical Methods
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 1 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 28 / 14 esent
Number of ECTS cr	edits: 4
Recommended seme	ster/trimester of the course: 1.
Course level: I., II.	
Prerequisities:	
Conditions for cours Absence of a maximu Exam carried out in v	e completion: um of three exercises. vriting with at least 51% score.
Learning outcomes: The student will gain in analyzes in the bio	comprehensive information about the methods and approaches that are used chemical laboratory.
 Brief outline of the c 1. Introduction to ana 2. Processing and into 3. The effectiveness reliability 4. Spectral methods f 5. Spectroscopy 6. Biosensors 7. Enzymes in bioana 8. Separation method 9. Electroanalytical n 10. Immunochemical 	ourse: lytical methods in biochemistry erpretation of results of the chosen system of methods to ensure the required level of analytical `or determination of biomacromolecules lytical chemistry s nethods methods
Recommended litera D. J. Holme, H. Peck S. R. Mikkelsen, E. C V. A. Gault, N. H. M applications, 2009	ture: : Analytical Biochemistry, 1998 Cortón: Bioanalytical Chemistry, 2004 cClenaghan: Understanding Bioanalytical Chemistry: Principles and
Course language: Slovak, English	

Notes:

Teaching is carried out in person or, if necessary, remotely using the tool MS Teams, BigBlueButton, etc. The form of teaching is specified by the teacher at the beginning of the semester, updated continuously.

Course assessment Total number of assessed students: 85							
A B C D E FX							
34.12	20.0	18.82	22.35	4.71	0.0		
Provides: doc. RNDr. Rastislav Varhač, PhD.							
Date of last modification: 16.11.2021							
Approved: prof. RNDr. Mária Kožurková, CSc.							

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚC BCHKBCH/14	HV/ Course na	me: Biochemist	ry and Clinical H	Biochemistry	
Course type, sc Course type: Recommended Per week: Per Course metho	ope and the met d course-load (h r study period: d: present	hod: ours):			
Number of EC	ΓS credits: 4				
Recommended	semester/trimes	ter of the cours	e:		
Course level: II					
Prerequisities:	ÚCHV/BFC1a/0	1 and ÚCHV/KI	LB1/03 and ÚCH	IV/BFC1b/03	
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 72			
А	В	С	D	E	FX
44.44	27.78	18.06	4.17	5.56	0.0
Provides:					
Date of last mo	dification: 07.02	.2023			
Approved: prof	RNDr. Mária K	ožurková, CSc.			

University: P. J.	Šafárik Univers	ity in Košice						
Faculty: Faculty of Science								
Course ID: ÚC BCM/04	Course ID: ÚCHV/ Course name: Biochemistry of Microorganisms 3CM/04							
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present								
Number of EC	FS credits: 6							
Recommended	semester/trimes	ster of the course	e: 1., 3.					
Course level: II	•							
Prerequisities:								
Conditions for 2 tests test	course completi	on:						
Learning outco The aim of bio microorganisms	mes: ochemistry of m s.	icroorgamism tea	aching is to acc	quire knowledge	in the field of			
Brief outline of Structure and p molecular biolo microbial diseas	the course: hysiology of mi ogy and genetics ses and their con	croorganisms; mi ; medical microb trol.	crobial nutritior iology; immunc	n, growth and co logy and applied	ntrol; microbial 1 microbiology;			
Recommended literature: McCall D., Stock D., Achrey P., Introduction to Microbiology, Blackwell Science, USA, 2001 Willey, J.M., Sherwood L.M., Woolverton C.J., Prescott, Harley, and Klein's Microbiology, McGraw-Hill Int. Ed., USA, 2008 Black J.G., Microbiology, John Wiley and Sons, USA, 2008								
Course languag	ge:							
Notes:				_				
Course assessment Total number of assessed students: 173								
А	В	С	D	Е	FX			
50.87	50.87 24.86 17.34 6.36 0.58 0.0							
Provides: prof.	RNDr. Mária Ko	žurková, CSc.						
Date of last modification: 11.11.2021								
Approved: prof	. RNDr. Mária K	ložurková, CSc.						

University: P. J. Šafárik University in Košice								
Faculty: Faculty of Science								
Course ID: ÚC BFP/04/08	Course ID: ÚCHV/ Course name: Biochemistry of Physiological Processes BFP/04/08							
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present								
Number of EC	ГS cre	dits: 4						
Recommended	semes	ter/trimes	ter of the cours	se: 2., 4.				
Course level: II	-							
Prerequisities:								
Conditions for	course	e completi	on:					
Learning outco	mes:							
Cellular physiology. Biochemical specialization of intracellular organelles. Biological membranes, ion channels, membrane pumps. Cell cycle, cell cycle regulation. Apoptosis and regulatory mechanisms of apoptosis. Physiology of specific organs in terms of metabolism. Muscle physiology and muscle contraction. Liver and gallbladder physiology. Kidney physiology. Endocrine system, importance of internal secretion, mechanism of action of hormones. The second								
Recommended L.S.Costanzo, F S. Reed, Essent B. Alberts, Mol Group. LLC. Články v časop	literat Physiol ial Phy ecular isoch.	t ure: logy, fourth vsiological Biology of	n edition, 2010 S Biochemistry, 2 f the Cell, sixth	Saunders, Inc, E 2009 John Wiley edition, 2002 G	Usevier. & Sons, Ltd. arland Science, Tay	ylor & Francis		
Course languag	ge:							
Notes:								
Course assessment Total number of assessed students: 131								
А		В	С	D	E	FX		
41.98	2	25.19	15.27	9.92	7.63	0.0		
Provides: prof.	Ing. M	larián Anta	lík, DrSc., RNI	Dr. Nataša Tomá	šková, PhD.			
Date of last mo	dificat	tion: 11.11	.2021					
Approved: prof	. RND	r. Mária K	ožurková, CSc.					

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚCHV/ BBA1/03	Course name: Bioenergetics and Bioelectronics
Course type, scope a Course type: Lectur Recommended cour Per week: 3 Per stu Course method: pre	nd the method: re rse-load (hours): dy period: 42 esent
Number of ECTS cro	edits: 5
Recommended seme	ster/trimester of the course: 1., 3.
Course level: II.	
Prerequisities:	
Conditions for cours	e completion:
Learning outcomes:	
Brief outline of the c Cell metabolism, ATI Electron transport cha Photosynthesis, bacte Oxidative phosphory ATPases. Membrane transport. ATP metabolism. Electron transport in Electric sources, batte Organic electric mate Photolysis of water Organic a biological m Molecular films, name	ourse: P, polyphosphates. ain, mitochondria, chloroplast, chemoautotrops. eriorodopsin. lation, chemical gradient. biomacromolecules. ery. erials. memories otechnology, Integrated system between neurons and electronics
Recommended litera D. Voet, J. G. Voetov M. Grätzel, ed., Energ 1983 L.A. Blumenfeld, Phy Berg, J. M., Tymoczk Articles from Journal	ture: á, Biochémie, Victoria Publishing, Praha, 1994 gy Resources throught photochemistry and catalysis, Academic Press, NY, ysics of bioenergetic processes, Springer-Verlag, Berlin, 1983 to J. L., Stryer L., Biochemistry, WH Freeman and Company, NY, 2007
Course language:	
Notes:	

Course assessment Total number of assessed students: 13							
A B C D E FX							
30.77	53.85	15.38	0.0	0.0	0.0		
Provides: prof. Ing. Marián Antalík, DrSc.							
Date of last modification: 11.11.2021							
Approved: prof	f. RNDr. Mária K	ožurková, CSc.					

University: P. J.	Šafárik University in Košice	
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Faculty: Faculty of Science

Course ID: ÚCHV/	Course name: Bioorganic chemistry
BOC/03	

Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 3 Per study period: 42

Course method: present

Number of ECTS credits: 5

Recommended semester/trimester of the course:

Course level: II.

Prerequisities:

Conditions for course completion:

1. Individual work and activity in seminars.

2. Passing a written exam with a success rate of min. 51%.

Learning outcomes:

Metodology of organic chemistry used to understanding of processes in living forms. Mechanism of the basic biochemical processes including proteosynthesis, enzymatic catalysis, nucleic acid chemistry, photosynthesis.

Brief outline of the course:

1. Proximity effect in organic chemistry. Molecular adaptation ond recognition on supramolecular level.

2. Bioorganic chemistry of aminoacids and polypeptides. Analogy between organic reactions and biochemical transformations.

3. Chemistry of peptide bond. Nonribosomal synthesis of peptides.

4. Asymmetric synthesis of aminoacids, chiral organometal catalyzators.

5. Transition state analogues, antibodies as enzymes, chemical mutations, molecular recognition and synthesis of biologicaly active compounds.

6. Bioorganic synthesis of polynucleotides. Energy storage, DNA intercalates, chemical evolutions of biopolymers.

7. Enzymatic chemistry, introduction to catalysis and enzymes, multifunctional catalysis, chymotrypsin, stereocontrolled hydrolysis, immobilized enzymes in organic synthesis.

8. Enzymatic models. Host-guest complexation chemistry, crown ethers, chemistry of membranes, cyclodextrines, steroid templates. Biomimetic polyene cyclization.

9. Metal ions in proteins and biomolecules, carboxypeptidase, hydrolysis of aminoacid esters, amides, peptides.

10. Biomodel of photosynthesis and energy transfer, cobalt, vitamine B12. Chemistry of coenzymes, pyridoxalphosphate, suicide enzyme inactivators and affinity labels, tiamine pyrophosphate, biotin.

Recommended literature:

Voet J. : Biochemistry, Springer Verlag, 1998

Dugas H.: Bioorganic Chemistry, Springer Verlag, 1999.

Course language:							
Notes:							
Course assessment Total number of assessed students: 157							
А	B C D E FX						
82.8	5.1	7.01	3.82	1.27	0.0		
Provides: prof. RNDr. Jozef Gonda, DrSc.							
Date of last modification: 30.09.2021							
Approved: prof	f. RNDr. Mária K	ožurková, CSc.					

University: P. J. Šafá	rik University in Košice							
Faculty: Faculty of S	cience							
Course ID: ÚCHV/ BFC1a/01	Course name: Biophysical Chemistry I							
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present							
Number of ECTS cr	edits: 5							
Recommended seme	ster/trimester of the course: 1., 3.							
Course level: II.								
Prerequisities:								
Conditions for cours Test and oral examination	e completion: ation.							
Learning outcomes:								
Brief outline of the c Matter and its demon Space and time conne Energy and mass con Physicochemical prop Reaction kinetics Ligand binding Nonequilibrium therr Dynamics of conserv Dissipative systems, Stability of biomacro Interfaces and membr Dynamics of complex Structuralization of b	ourse: stration in living systems actions in biological systems perties of water and cell liquids nodynamics ative systems, chaos attractors molecules ranes, membrane transports x biochemical process iosystems induced by diffusion							
Recommended litera Cantor,C.R.,Schimme P.Glansdorff, I.Prigog 1971 Voet,D. Voet,J.G. Bio Kersal E. van Holde, Prentise Hall, 1998 Articles from Journal Marschall, A.G., Bio Hoppe, W., Lohmann Peitgen, H. O., Jurgen Avnir,D (ed.)., The F	 ture: el,P.R Biophysical Chemistry, W.H. Freeman and Co., S. Francisco,1980 gine, Thermodynamics theory of structure, stability and fluctuations, Willey bechemistry, John Willey @Sons, 1990 W. Curtis Johnson, P. Shing Ho: Principles of Physical Biochemistry, s physical Chemistry, John Wiley & Sons, N.York, 1978 , W., Markl, H., Ziegler, H., (eds.), Biophysics, Springer V., Berlin, 1983 ns, H., Saupe, D., Fractals for the Classroom, Springer-Verlag, NY, 1992 ractal Approach to Heterogeneous Chemistry, John Wiley &S., NY,1989 Geometry of Biological Time, Springer-Verlag, NY, 1980 							

Course langue									
Course langua	ge:								
Notes:	Notes:								
Course assessn	nent								
Total number o	f assessed studen	ts: 196							
А	В	С	D	Е	FX				
11.22	11.22 16.33 37.24 21.94 13.27 0.0								
Provides: prof.	Provides: prof. Ing. Marián Antalík, DrSc.								
Date of last modification: 18.11.2021									
Approved: pro	f. RNDr. Mária K	ožurková, CSc.			Approved: prof. RNDr. Mária Kožurková, CSc.				

University: P. J. Šafái	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚCHV/ BFC1b/03	Course name: Biophysical Chemistry II
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 4 Per Course method: pre	nd the method: e / Practice rse-load (hours): study period: 28 / 56 sent
Number of ECTS cro	edits: 8
Recommended semes	ster/trimester of the course: 2., 4.
Course level: II.	
Prerequisities: ÚCH	V/BFC1a/01
Conditions for cours Examination	e completion:
Learning outcomes:	
Brief outline of the c General laboratory we Properties of material Cryoscopy, pressure, Callorimetry, microga Transport a hydrodyn Conductivity, ion sele Absorption spectrosce Raman and infrared s Spectrofluorescence, NMR, EPR spectrosc Light, x-ray scattering Atomic field force me Microscopy (electron	ourse: ork problem with biological systems s and fields density, surface tension, osmometry ravimetry amic analysis ective and enzyme electrodes, dielectric spectroscopy opy, circular dichroism pectroscopy, chemiluminescence, rapid kinetic techniques, Mossebauer spectroscopy opy g easurements, tunneling spectroscopy , light, ultrasound)
Recommended litera Cantor,C.R.,Schimme Kersal E. van Holde, Prentise Hall, 1998 Atkins PW. Physical Hoppe W, Lohmann Articles from Journal	ture: el,P.R Biophysical Chemistry, W.H. Freeman and Co., S. Francisco,1980 W. Curtis Johnson, P. Shing Ho: Principles of Physical Biochemistry, Chemistry, Oxford Univ. Press, Oxford, 1998 W, Markl H, Ziegler H (ed.) Biophysics, Springer- Verlag, Berlin, 1983 s
Course language:	
Notes:	

Course assessment Total number of assessed students: 186						
ABCDEFX						
12.9	19.35	33.33	20.43	13.44	0.54	
Provides: prof.	Provides: prof. Ing. Marián Antalík, DrSc., RNDr. Roland Sůra, RNDr. Jakub Olajoš					
Date of last modification: 18.11.2021						
Approved: prof. RNDr. Mária Kožurková, CSc.						

University: P. J.	University: P. J. Šafárik University in Košice						
Faculty: Faculty	of Science						
Course ID: ÚCH PBT1/03	Course ID: ÚCHV/ Course name: Biotechnology Practical BT1/03						
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 5 Per study period: 70 Course method: present							
Number of ECT	S credits: 6						
Recommended	semester/trimes	ster of the course	: 1., 3.				
Course level: II.							
Prerequisities:							
Conditions for o Výučba sa reali upresní vyučujú	course completi zuje prezenčne ci na začiatku se	on: alebo dištančne mestra a priebežr	s využitím nás ne aktualizuje.	troja MS Teams.	Formu výučby		
Learning outcome Students will have practical biotech	mes: ve knowlwdge o miological skills	f a variety of spect from food and b	tral and molecu everage produc	lar-biology technic	ques, and obtain		
Brief outline of Characterization Food preservati Vitamins - antio	the course: and practical a ves and their q xidant action of	application of lac ualitative and qu vitamin C. Produ	tic and alcoho antitative evid ction of cosme	l fermentation, sp lence. Antibiotics tics.	ectral methods. - bacteriocins.		
Recommended literature: M.Ferenčík, B. Škárka, Biochemical laboratory methods, ALFA 1981. C.Fini, A.Floridi, V.N. Finelli, B.Wittman-Liebold, Laboratory Methodology in Biochemistry, CRC Press, Florida, 1990. D. Sabolová, Návody na praktické cvičenia z biotechnológie, Košice, 2014, http://www.upjs.sk/ pracoviska/univerzitna-kniznica/e-publikacia/#pf							
Course languag	e:						
Notes:							
Course assessment Total number of assessed students: 142							
A	В	С	D	Е	FX		
67.61	25.35	5.63	0.7	0.7	0.0		
Provides: RNDr	. Danica Sabolo	vá, PhD.					
Date of last mod	lification: 17.08	3.2022					
Approved: prof. RNDr. Mária Kožurková, CSc.							

University: P. J	. Šafárik Univers	ity in Košice					
Faculty: Facult	y of Science						
Course ID: KF/ KDF/05	Course name: Chapters from History of Philosophy of 19th and 20th Centuries (General Introduction)						
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the met Practice d course-load (h er study period: d: present	thod: ours): 28					
Number of EC	I'S credits: 2						
Recommended	semester/trimes	ster of the cours	e: 2.				
Course level: II	•						
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	omes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number of	ent f assessed studen	ts: 10					
А	В	С	D	E	FX		
50.0	50.0 20.0 10.0 0.0 10.0 10.0						
Provides: PhDr	. Dušan Hruška, I	PhD.	1		L		
Date of last mo	dification: 03.05	5.2015					
Approved: prof	. RNDr. Mária K	ožurková, CSc.		_			

University: P. J. Šafárik University in Košice							
Faculty: Faculty of S	cience						
Course ID: ÚCHV/ RP/14	Course ID: ÚCHV/ Course name: Class Project						
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present						
Number of ECTS cr	edits: 6						
Recommended seme	ster/trimester of the cours	e: 2.					
Course level: II.							
Prerequisities:							
Conditions for cours Submission of a year Its content is experim the obtained experim assigned experiments experiments, success the evaluation "comp	Conditions for course completion: Submission of a year project based on the assignment of the teacher. Its content is experimental laboratory work on a topic assigned by the teacher and evaluation of the obtained experimental results. The condition for successful completion is realization of the assigned experiments and their evaluation in the form of presentation. After the implementation of experiments, successful presentation of results and answering any comments, the teacher will give the avaluation "completed"						
Learning outcomes: Mastering of individ according to available	lual work in the laboratory e literature.	and creative processing of the assigned topic,					
Brief outline of the c	ourse:						
Recommended litera According to the reco Current journal litera	iture: ommendations of project sup ture.	pervisors.					
Course language: Slovak, english.							
Notes:							
Course assessment Total number of assessed students: 218							
	abs	n					
99.08 0.92							
Provides: doc. RNDr. Miroslav Almáši, PhD., RNDr. Miroslava Matiková Maľarová, PhD., doc. RNDr. Zuzana Vargová, Ph.D., RNDr. Martin Vavra, PhD., prof. RNDr. Juraj Černák, DrSc., doc. RNDr. Juraj Kuchár, PhD., prof. RNDr. Vladimír Zeleňák, DrSc., doc. RNDr. Ivan Potočňák, PhD., prof. Dr. Yaroslav Bazeľ, DrSc., prof. Mgr. Vasiľ Andruch, DSc., doc. RNDr. Katarína Reiffová, PhD., doc. RNDr. Taťána Gondová, CSc., doc. Ing. Viera Vojteková, PhD., RNDr. Rastislav Serbin, PhD., RNDr. Jana Šandrejová, PhD.							

Date of last modification: 25.01.2022

University: P. J.	. Šafárik Univer	sity in Košice					
Faculty: Facult	y of Science						
Course ID: ÚC	HV/ Course r	ame: Clinical Bio	ochemistry				
KLB1/03							
Course type, sc	ope and the m	ethod:					
Course type: I	Lecture / Practic	e					
Recommended	1 course-load (1 Por study por	nours): iod: 28 / 14					
Course metho	d: present	100.20714					
Number of EC	TS credits: 5						
Recommended	semester/trim	ester of the cours	e: 1.				
Course level: II	•						
Prerequisities:							
Conditions for	course comple	tion:					
Learning outco	mes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number of	Course assessment Total number of assessed students: 194						
А	В	C	D	Е	FX		
61.86	61.86 23.71 10.31 2.06 2.06 0.0						
Provides: MUDr. Angela Molčányiová, PhD.							
Date of last modification: 07.03.2023							
Approved: prof	. RNDr. Mária	Kožurková, CSc.					

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Scie	ence			
Course ID:	Course name: Communication and Cooperation			
Course type, scope and Course type: Practice Recommended course Per week: 2 Per study Course method: prese	d the method: e-load (hours): y period: 28 ent			
Number of ECTS cred	lits: 2			
Recommended semester	er/trimester of the course: 3.			
Course level: II.				
Prerequisities:				
Conditions for course Evaluation: A condition for student student will actively pa solutions. The output for evaluat presentation or a video Learning outcomes: The goal of the subject language and communi The student can demor contexts. The student can des assertiveness, empathy, The student can apply t	completion: c evaluation is his active participation in the seminar. It is expected that the articipate in the discussions and will express their positions and possible tion will be the development of a project in the form of a Power Point on a selected communication topic. Communication, cooperation is the formation and development of students' cation skills through experiential activities. nstrate an understanding of individual behavior in various communication cribe, explain and evaluate communication techniques (cooperation, negotiation, persuasion) in practical contexts.			
Brief outline of the cou Communication Communication theory Non-verbal communication about active listening Empathy Short conversation a communication) Cooperation About the basics of coor About types, signs, type Characteristics of the te Small social group (stru- individual in the group)	ntion and its means (basic components of communication, language means of communication) nd effective communication (principles and principles of effective operation es and factors of cooperation eam (positions in the team) ucture, development, characteristics of a small social group, position of the			

About leadership (characteristics of the leader, management, leadership styles)

Recommended literature:

Course language:

Notes:

Course assessment

Total number of assessed students: 281

abs	n	Z			
98.22	1.78	0.0			
Provides: Mgr. Ondrej Kalina, PhD., Mgr. Lucia Barbierik, PhD.					
Date of last modification: 31.07.2022					

University: P. J.	Šafárik Univer	sity in Košice			
Faculty: Faculty	y of Science	5			
Course ID: ÚCI DPO/14	Course ID: ÚCHV/ Course name: Diploma Thesis and its Defence				
Course type, sc Course type: Recommended Per week: Per Course method	ope and the me l course-load (l · study period: d: present	ethod: nours):			
Number of ECT	FS credits: 20				
Recommended	semester/trime	ster of the cours	e:		
Course level: II	•				
Prerequisities:					
Conditions for	course complet	ion:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag Slovak, English	ge:				
Notes: The course is in BBB or a comb the semester and	nplemented by f ined method. Th d updated contir	full-time or, if nec ne form of teachir nuously.	essary, distance in a specified by	nethod using the the teacher at the	MS Teams or e beginning of
Course assessm Total number of	Course assessment Total number of assessed students: 185				
A	В	C	D	Е	FX
69.19	21.62	5.41	2.7	1.08	0.0
Provides:					
Date of last mo	dification: 25.0	1.2022			
Approved: prof	. RNDr. Mária I	Kožurková, CSc.			
L					

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚCHV/ ENZ/04	Course name: Enzymology
Course type, scope a Course type: Lectur Recommended cour Per week: 3 Per stu Course method: pre	nd the method: re rse-load (hours): dy period: 42 esent
Number of ECTS cr	edits: 5
Recommended seme	ster/trimester of the course: 1., 3.
Course level: II.	
Prerequisities:	
Conditions for cours Successful completion student passes the exactime adequately answ	e completion: on of the exam, which consists of two parts: (i) written and (ii) oral part. The am if s/he obtains at least 60% of the points in the written part and at the same vers the asked questions in the oral part.
Learning outcomes: Understand the prince Ability to determine reaction from experim	iple of enzyme catalysis. Learn to use the basic equations of enzyme kinetics. the basic kinetic and thermodynamic parameters of the enzyme-catalyzed nental measurements.
 Brief outline of the c 1. Introduction. Chen 2. Enzyme catalysis - 3. Cofactors. Active s 4. 3D structure of pro Convergent and diver 5. Ligand binding. Th 6. Chemical kinetics. 7. Regulations of enz 8. Conformational ch 9. Experimental detecatalysis. 10. Determination of the use of binding end 11. Reversible inhibiti 12. Irreversible inhibiti 13. Specificity and (organic solvents). Careactions with multip 	ourse: nical catalysis – theory of transition state. types and examples. site - lock and key, induced fit. Enzymes - classification. teins. Noncovalent interactions. Secondary, tertiary and quaternary structures. rgent evolution. Multienzyme complexes. Dyanmics of proteins. nermodynamics and konetics. Techniques. Basic equations of enzyme kinetics. yme activity - examples. ange, allosteric regulation. Regulation of metabolic pathways. ermination of enzyme activity. pH and temperature dependence of enzyme individual rate constants. Stop flow. Enzyme-substrate complementarities and ergy in enzyme catalysis. tion. ition. control mechanisms. "Moonlighting" enzymes. Applications of enzymes atalytic antibodies. Extremophiles. Directed selection of enzymes. Enzymatic le substrates.
Recommended litera T.E. Creighton: Prote Company - New York	a ture: ins - structures and molecular properties, 1993, W.H. Freeman and k.

Alan Fersht "Structure and Mechanism in Protein Science: A Guide to Enzyme Catalysis and Protein Folding. " (3rd Ed. W. H. Freeman and Company, 1999) Robert A. Copeland: Enzymes (2nd edition), Wiley-VCH, 2000.

Course language:

Notes:					
Course assessment Total number of assessed students: 159					
A	B	C	D	E	FX
37.11	23.9	16.35	14.47	7.55	0.63
Provides: doc. RNDr. Erik Sedlák, DrSc.					
Date of last modification: 14.11.2021					
Approved: prof	Approved: prof. RNDr. Mária Kožurková, CSc.				

Easult E 1		sity in Košice			
raculty: Facult	y of Science				
Course ID: ÚC EMDP/03	HV/ Course n	ame: Experiment	al Methods to M	aster's Thesis	
Course type, sc Course type: Recommende Per week: 6 P Course metho	cope and the me Practice d course-load (h er study period d: present	thod: nours): : 84			
Number of EC	TS credits: 6			_	
Recommended	semester/trime	ster of the course	e: 1., 3.		
Course level: I	[.				
Prerequisities:					
Conditions for The supervisor week and at the	course complet of the diploma t e end of the seme	ion: hesis evaluates th ester.	e student's exper	imental work inc	dividually every
Learning outco Acquisition of	omes: experimental me	thods necessary for	or the successful	solution of the d	liploma thesis.
Brief outline of Technique of ex- use of experime work with spec synthesized org	the course: experimental mether that instrumentation that and chromation ganic compounds	hods, including th tion techniques in tographic method . Practical applica	ne use of devices in the elaboration is used in the cha intion of these me	s needed to solve of a diploma the aracterization of thods.	e the thesis. The esis, focusing on the structure of
Recommended	literature:	nical online databa	1565		
Current journal	inclature. Chem				
Current journal Course languag Slovak, english	ge:				
Current journal Course languag Slovak, english Notes: Teaching is carr Teams. The for continuously up	ried out full-time m of teaching is odated.	e or part-time, usin specified by the to	ng the BBB platf	form (BigBlueBu inning of the sen	utton) or MS nester and
Current journal Course languag Slovak, english Notes: Teaching is carr Teams. The for continuously up Course assessm Total number of	ried out full-time m of teaching is odated.	e or part-time, usin specified by the to	ng the BBB platf eacher at the beg	form (BigBlueBu inning of the sen	utton) or MS nester and
Current journal Course languag Slovak, english Notes: Teaching is car Teams. The for continuously up Course assessm Total number o A	ried out full-time m of teaching is odated. f assessed studer B	e or part-time, usin specified by the to nts: 405	ng the BBB platf eacher at the beg	form (BigBlueBu inning of the sen	utton) or MS nester and FX

Cernák, DrSc., prof. RNDr. Andrej Oriňak, PhD., doc. RNDr. Zuzana Vargová, Ph.D., doc. RNDr. Taťána Gondová, CSc., doc. RNDr. Miroslava Martinková, PhD., prof. RNDr. Renáta Oriňaková, DrSc., doc. RNDr. Ivan Potočňák, PhD., doc. RNDr. Erik Sedlák, DrSc., prof. RNDr. Vladimír Zeleňák, DrSc., doc. RNDr. Viktor Víglaský, PhD., doc. RNDr. Katarína Reiffová, PhD., RNDr. Miroslava Matiková Maľarová, PhD., doc. RNDr. Juraj Kuchár, PhD., RNDr. Nataša Tomášková, PhD., RNDr. Andrea Morovská Turoňová, PhD., RNDr. Daniela Kladeková, CSc., RNDr. Slávka Hamuľaková, PhD., doc. RNDr. Rastislav Varhač, PhD., RNDr. Danica Sabolová, PhD., RNDr. Lívia Kocúrová, PhD., prof. Mgr. Vasiľ Andruch, DSc., prof. Dr. Yaroslav Bazeľ, DrSc., doc. RNDr. Ladislav Janovec, PhD., doc. Ing. Viera Vojteková, PhD., doc. RNDr. Miroslav Almáši, PhD., doc. RNDr. Gabriel Žoldák, PhD., RNDr. Mariana Budovská, PhD., doc. RNDr. Mária Vilková, PhD., RNDr. Monika Tvrdoňová, PhD., RNDr. Ján Elečko, PhD., RNDr. Jana Špaková Raschmanová, PhD.

Date of last modification: 25.01.2022

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: KF/ DF2p/03	Course name: History of Philosophy 2 (General Introduction)			
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 1 Per Course method: pre	Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present			
Number of ECTS credits: 4				
Recommended semester/trimester of the course:				
Course level: I., II.				

Prerequisities:

Conditions for course completion:

The condition for awarding the evaluation will be the active approach of students to fulfilling their study obligations, independent work with selected philosophical texts in the library, active participation and creative work in seminars. In connection with the possibility of interrupting face-to-face teaching, there will be greater demands on the student's independent study and the processing of professional literature, which will be continuously evaluated, using e-mail to communicate with the teacher, at the end of the semester, preparing and handing in the semester's seminar work by the set date, or also passing a knowledge test - about which the students will be informed in advance in sufficient time.

Learning outcomes:

Deepening knowledge about the development of spiritual culture in the European spiritual space and pointing out the most important sources of this development: (1) ancient philosophy and science, (2) Christianity as the second pillar of Europe, (3) the Renaissance and the emergence of modern science (mathematical natural science) as the third pillar of European development. Development of critical thinking skills, active position in professional (ethics of science), public and private life (ethics of responsibility). Transcending narrowly specialized views of the world.

Brief outline of the course:

Recommended literature:

Antológia z diel filozofov. Predsokratovci a Platon. Zost. J. Martinka. Bratislava: Nakladateľstvo Epocha 1970; Antológia z diel filozofov. Od Aristotela po Plotina. Zost. J. Martinka. Bratislava: Nakladateľstvo Pravda 1972. Predsokratovci a Platon. Antológia z diel filozofov. Zost. J. Martinka. Bratislava: Vydavateľstvo Iris 1998. Od Aristotela po Plotina. Antológia z diel filozofov. Zost. J. Martinka. Bratislava: Vydavateľstvo IRIS 2006. Anzenbacher, A.: Úvod do filozofie. Prel. K. Šprunk. Praha: SPN 1990. Barthes, R.: Mytologie. Prel. J. Fulka. Praha: Dokořán 2004. Bělohradský, V.: Společnost nevolnosti. Eseje z pozdější doby. Praha: SLON 2009. Benjamin, W.: Iluminácie. Prel. A. Bžoch; J. Truhlářová. Bratislava: Kalligram 1999. Borges, J. L.: Borges ústne. Prednášky a eseje. Prel. P. Šišmišová. Bratislava: Kalligram 2005. Cassirer, E.: Esej o človeku. Prel. J. Piaček. Bratislava: Nakladateľstvo Pravda 1977. Debord, G.: Společnost spektáklu. Prel. J. Fulka; P. Siostrzonek. Praha: Nakladatelství :intu: 2007. Farkašová, E.: Na rube plátna. Bratislava: Vydavateľstvo Spolku slovenských spisovateľov 2013.

Feyerabend, P.: Věda jako umění. Prel. P. Kurka. Praha: JEŽEK 2004. Freud, S.: Nepokojenost v kultuře. Prel. L. Hošek. Praha: Hynek 1998. Hadot, P.: Co je antická filosofie. Prel. M. Křížová. Praha: Vyšehrad 2017. Hippokratés: Vybrané spisy. Prel. H. Bartoš; J. Černá; J. Daneš; S. Fischerová. Praha: OIKOYMENH 2012. Husserl, E.: Filosofie jako přísná věda. Prel. A. Novák. Praha: Togga 2013. Kuhn, T. S.: Štruktúra vedeckých revolúcií. Prel. J. Viceník. Bratislava: Nakladateľstvo Pravda 1981. Leško, V., Mihina, F. a kol.: Dejiny filozofie. Bratislava. Iris 1993 Leško, V.: Dejiny filozofie I. Od Tálesa po Galileiho. Prešov: v. n. 2004, 2007. Leško, V.: Dejiny filozofie II. Od Bacona po Nietzscheho. Prešov: v. n. 2008. McLuhan, M.: Jak rozumět médiím. Extenze člověka. Prel. M. Calda. Praha: Mladá fronta 2011. Patočka, J.: Duchovní člověk a intelektuál. In: Patočka, J.: Péče o duši III. Praha: OIKOYMENH 2002, s. 355 - 371. Popper, K. R.: Otevřená společnost a její nepřátelé I. Platónovo zaříkávání. Prel. M. Calda; J. Moural. Praha: OIKOYMENH 2011. Sloterdijk, P.: Kritika cynického rozumu. Prel. M. Szabó. Bratislava: Kalligram 2013. Störig, H.J.: Malé dějiny filozofie. Prel. P. Rezek. Praha: Zvon 1991. Wittgenstein, L.: Filozofické skúmania. Prel. F. Novosád. Bratislava: Nakladateľ stvo Pravda 1979. Wright von, H. G.: Humanizmus ako životný postoj. Prel. M. Žitný. Kalligram 2001. Žižek, S.: Mor fantázií. Prel. M. Gálisová; V. Gális. Bratislava: Kalligram 1998.

Course language:

Notes:					
Course assessment					
Total number o	f assessed studen	ts: 746			
А	В	С	D	Е	FX
60.59	14.21	12.6	8.58	3.35	0.67
Provides: doc. PhDr. Peter Nezník, CSc.					
Date of last modification: 11.07.2022					
Approved: prof. RNDr. Mária Kožurková, CSc.					

University: P. J. Ša	fárik University in Košice		
Faculty: Faculty of	Science		
Course ID: KF/ IH2/03	Course name: Idea Humanitas 2 (General Introduction)		
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	and the method: tice urse-load (hours): tudy period: 28 resent		
Number of ECTS	eredits: 2		
Recommended sen	nester/trimester of the course: 3.		
Course level: II.			
Prerequisities.			

Conditions for course completion:

100% graded credit: 40% (evaluated participation in seminars, processing of partial seminar work - separate assignment) 60% (final seminar work - student project). In the case of implementation of the classical form of teaching - face-to-face - active participation of the student in the seminar; study and reflection of assigned philosophical texts, attempt to interpret them. In the case of the introduction of distance education (as was the case due to Covid-19), the student will have to actively fulfill tasks of a partial nature, where increased demands will be placed on the student and his independent work with philosophical texts and literature. Tasks will be assigned to the students by the teacher on an ongoing basis. The student must study the assigned philosophical texts, think through and process them, submit them as a seminar paper, i.e. in written form. In both cases, the study of literature is necessary to pass the subject. The conclusion of the subject is the preparation of a seminar paper - the final seminar paper - in the range of at least 10 - 12 pages of A4 (with compliance with the bibliographic standard of the Department of Philosophy (KF) for seminar and qualification papers).

Learning outcomes:

To supplement and expand the interest of natural science students in social science issues related to the issues of the development of philosophy, science and human leadership, which are manifested in the urgent problems of today's world and society. Special emphasis is placed on the formation of humanistic ideas, their origin, transformation and possible pitfalls and risks. In addition to thinking about serious questions of the past and present, it also includes thinking about the present and the current contexts of major topics in philosophy and Western culture in particular. Therefore, the preparation and implementation of a program aimed at cooperation with alternative directions of pedagogy in the conditions of our transforming education system is understood as a practical output.

Brief outline of the course:

The age of the image of the world. Doubt as a principle of philosophy. The emergence of the image of the world (Weltbild); the differences of ancient theoria, medieval scientia, the emergence of mathematical natural science. Science as an operation (Betrieb); institutionalization of science. Philosophy, science and the modern world. The movement of human life: acceptance, defense, freedom as struggle, submission to finitude. The modern world and the search for meaning. Bureaucracy, impersonality, predominance of technocratic approaches. Fatigue as a modern threat

to Europe. The paths to freedom lead through the rediscovery of one's own Self and creativity. The basic condition for the educability of any education is the care of the soul. The crisis of European humanity. Antiquity. Philosophy - the emergence of a special community of people, the beginnings of education - paideia. The winding road of leadership. The origin and birthplace of calculating thinking. Europe and the post-European era. Care of the soul as a basic idea of Patočka's philosophy. The difference in the position of Plato and Democritus in understanding the care of the soul. The idea of caring for the soul and Aristotle.

Recommended literature:

Hadot, P.: What is ancient philosophy. Transl. M. Křížová. Prague: Vyšehrad 2017. Hegel, G.
W. F.: Phenomenology of Spirit. Prague: NČSAV 1960 Husserl, E.: The Crisis of European Humanity and Philosophy. In: Crisis of European sciences and transcendental phenomenology.
Prague: Academie 1996. Mokrejš, A.: Eros as a Theme of Greek Thought. Prague: Triton 2009.
Patočka, J.: Péče o duši I. Prague. OIKOYMENH 1996. Patočka, J.: Care of the soul II. Prague.
OIKOYMENH 1999. Vernant, J.-P.: The beginnings of Greek thought. Prague: OIKOYMENH 1995. Wright von, G.H.: Humanism as a life attitude. Bratislava: Kalligram 2001.

Course language:

Notes:

Course assessment

Total number of assessed students: 12

А	В	С	D	Е	FX
91.67	8.33	0.0	0.0	0.0	0.0

Provides: doc. PhDr. Peter Nezník, CSc.

Date of last modification: 24.08.2022

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	Faculty: Faculty of Science			
Course ID: ÚCHV/ LCDP/15	Course name: Laboratory Practice to Diploma Thesis			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present				
Number of ECTS cr	edits: 6			
Recommended seme	ster/trimester of the cours	e: 3.		
Course level: II.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	iture:			
Course language:				
Notes:	Notes:			
Course assessment Total number of asses	ssed students: 66			
	abs	n		
	98.48 1.52			
Provides: prof. RNDr. Mária Kožurková, CSc., prof. Ing. Marián Antalík, DrSc., doc. RNDr. Viktor Víglaský, PhD., doc. RNDr. Erik Sedlák, DrSc., RNDr. Nataša Tomášková, PhD., doc. RNDr. Rastislav Varhač, PhD., RNDr. Danica Sabolová, PhD.				
Date of last modification: 25.01.2022				
Approved: prof. RNDr. Mária Kožurková, CSc.				

Faculty: Faculty of Science

Course ID: ÚCHV/
BMB1/03Course name: Modern Trends in Biochemistry and Molecular Biology

Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14

Course method: present

Number of ECTS credits: 6

Recommended semester/trimester of the course: 1.

Course level: II.

Prerequisities:

Conditions for course completion:

Participation in lectures (also by distance learning).

The lecturer conducting the lecture and related seminar will excuse the justified absence of the student (sickness, family reasons, etc.) at a maximum of two lectures/seminars during the semester. In the event of longer-term justified absence (e.g. due to sickness), the student must provide evidence of mastery of the missed course content by means of an agreed substitute; oral examination

Learning outcomes:

To give an overview on modern biochemistry and molecular biology methods and its application in practice.

Brief outline of the course:

Cell signaling system. Molecular basis of neoplastic cell transformation leading to development of cancer - oncogenes, tumor suppressing genes, regulatory regions of DNA. Gene mutations and DNA repair mechanisms. Induced pluripotent stem cells.

Current trends and advances in the study of nucleic acids, their biological significance in cell metabolism. Gene therapy. Gene editing. Gene silencing.

The classification of viruses based on genetic material, the effect of physical and chemical factors on viruses. Biochemistry of viruses. Virus replication. Viral oncogenicity. Retroviruses and HIV. Pandemic viruses - Covid, SARS, MERS, Ebola, influenza papillomaviruses.

Prions. Aptamers and nanobioconjugates.

Molecular basis of the manifestation of genetically determined diseases and their detection and diagnostic.

Recommended literature:

Alberts et al: Molecular Biology of the Cell, Garland Publishing, 1994

Watson et al., Recombinant DNA, New York, 1992

Bloomfield et al., Nucleic acids - structures, properties and function, Canada, 1999 Scientific reports

Course language:

Notes:

Course assessment Total number of assessed students: 212					
А	В	С	D	Е	FX
29.72	22.64	28.3	15.09	3.77	0.47
Provides: doc. RNDr. Viktor Víglaský, PhD.					
Date of last modification: 12.11.2021					
Approved: prof. RNDr. Mária Kožurková, CSc.					

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University: P. J.	Safárik Univers	sity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚCH PAT1/03	HV/ Course name: Patobiochemistry				
Course type, sco Course type: L Recommended Per week: 2 / 3 Course method	ope and the met Lecture / Practice I course-load (h Per study peri I: present	thod: ours): od: 28 / 42			
Number of ECI	S credits: /				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: II.					
Prerequisities: 1	ÚCHV/KLB1/03	3			
Conditions for a	course completi	ion:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	je:				
Notes:					
Course assessm Total number of	ent assessed studen	ıts: 190			
А	В	C	D	Е	FX
64.74	18.95	10.53	5.26	0.53	0.0
Provides: MUD	r. Angela Molčá	nyiová, PhD.		·	
Date of last mod	dification: 07.03	3.2023			
Approved: prof.	. RNDr. Mária K	ložurková, CSc.			

University: P. J. Šafár	ik University in Košice
Faculty: Faculty of Sc	ience
Course ID: ÚCHV/ PSF/03	Course name: Proteins, Structure and Function
Course type, scope an Course type: Lecture Recommended cours Per week: 3 Per stud Course method: pres	ad the method: se-load (hours): ly period: 42 sent
Number of ECTS cre	dits: 5
Recommended semes	ter/trimester of the course: 1., 3.
Course level: II.	
Prerequisities:	
Conditions for course Exam carried out in w	e completion: riting with at least 51% score.
Learning outcomes: Acquisition of compl proteins.	ex knowledge about structural specifications, functions and properties of
Brief outline of the co 1. Amino acids and th 2. Peptide bond and th 3. Detection of amino 4. Separation methods 5. Determination of pr 6. Peptide synthesis. P 7. Spectroscopic meth 8. Determination of th 9. Post-translational m 10. Post-translational m 11. Protein topogenesi 12. Interactions determ 13. The secondary stru 14. Protein folding. Pr 15. Membrane protein 16. Protein degradatio	eir physico-chemical properties. e polypeptide chain. acids, peptides and proteins. . Determination of molecular weight of proteins. rotein covalent structure. 'rotein and peptide biosynthesis. ods in the study of proteins. e secondary and tertiary structure of proteins. nodifications – enzymatic. s. Chaperones and chaperonins. nining properties of proteins. Conformational changes of proteins. acture of proteins and polypeptides. rotein aggregation. Prions. s. n.
Recommended literat Creighton T. E.: Prote Buxbaum E.: Fundam Nölting B.: Protein Fo Nelson D. L., Cox M. Whitford D.: Proteins: Kessel A., Ben-Tal N.	Ture: ins: Structures and Molecular Properties (2. vyd.), 1992 entals of Protein Structure and Function, 2007 olding Kinetics: Biophysical Methods (2. vyd.), 2006 M.: Lehninger Principles of Biochemistry (4. vyd.), 2004 : Structure and Function, 2011 : Introduction to Proteins: Structure, Function, and Motion, 2011

Course language:

Slovak, English

Notes:

Teaching is carried out in person or, if necessary, remotely using the tool MS Teams, BigBlueButton, etc. The form of teaching is specified by the teacher at the beginning of the semester, updated continuously.

Course assessment

Total number of assessed students: 199

А	В	С	D	Е	FX
31.16	20.1	23.62	15.58	9.05	0.5
Provides: doc RNDr Frik Sedlák DrSc. doc RNDr Rastislav Varhač PhD					

s: doc. KNDr. Erik Sediak, DrSc., doc. KNDr. Rastislav Varhac, PhD.

Date of last modification: 16.11.2021

University: P. J. Šafán	rik University in Košice
Faculty: Faculty of So	cience
Course ID: KPPaPZ/PPZMg/12	Course name: Psychology and Health Psychology (Master's Study)
Course type, scope an Course type: Lectur Recommended cour Per week: 1 / 2 Per s Course method: pre	nd the method: e / Practice rse-load (hours): study period: 14 / 28 sent
Number of ECTS cre	edits: 4
Recommended semes	ster/trimester of the course:
Course level: II.	
Prerequisities:	
Conditions for the con Active work (maximu Preparation, presentat Written examination (Conditions for admiss Conditions for the fin Exam: written form (n Conditions for succe assignments and at lea Detailed information subject will be realized Learning outcomes:	ntinuous assessment during the semester: Im 5 points, 2 absences are allowed). tion and discussion on a selected topic - max. 15 points. (maximum 30 points). sion to the exam: min. 25 points. al assessment: max. 50 points, min. 25 points) essful completion of the course: participation in lessons, fulfillment of ast 66 points from the overall evaluation. in the electronic bulletin board of the course in AIS2. The teaching of the ed by a combined method.
The student will und salutogenic factors as the knowledge especi health in the work of	erstand the basic concepts and theories of health psychology, can explain well as the consequences of risk behavior related to health. He is able to apply ially in the field of prevention of burnout syndrome and support of mental a teacher.
Brief outline of the co 1 Introduction to heal 2 Psychoimmunology 3 Personality factors a 4 Social support as a 5 Subjective well-bein 6 Stress and stressful 7 Burnout syndrome 8 Health-promoting b 9 Health risk behavio 10 School as an impo	ourse: th psychology and health protective factor in relation to health ng situations and ways to manage them ehavior, mental hygiene r rtant factor of health
Recommended litera Křivohlavý, J.: Psych	ture: ologie zdraví. Portál, Praha 2001.

Křivohlavý, J.: Psychologie nemoci. Grada, Praha, 2002.

Křivohlavý, J.: Psychologie moudrosti a dobrého života. Grada, Praha, 2009.

Kebza, V.: Psychosociální determinanty zdraví. Academia, Praha 2005.

Kahneman, D., Diener, E., Schwarz, N.(Eds), Well-Being. The Foundations of Hedonic

Psychology. New York, Russell Sage Foundation, 2003.

Kaplan, R. M.: Zdravie a správanie človeka. SPN, Bratislava 1996.

Sarafino, E. P.: Health Psychology. Biopsychosocial interactions. John Wiley and sons 1994.

Baštecký, J., Šavlík, J., Šimek, J. 1993. Psychosomatická medicína. Praha: Grada

Tress, W., Krusse, J., Ott, J.: Základní psychosomatická péče. Portál, Praha 2008.

Course language:

slovak

Notes:

Course assessment

Total number of assessed students: 226

А	В	С	D	Е	FX
19.47	25.22	25.66	13.27	15.93	0.44

Provides: PhDr. Anna Janovská, PhD., Mgr. Lucia Barbierik, PhD.

Date of last modification: 07.07.2021

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚTVŠ/ ÚTVŠ/CM/13	Course name: Seaside Aerobic Exercise			
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent			
Number of ECTS cr	edits: 2			
Recommended seme	ster/trimester of the course:			
Course level: I., II.				
Prerequisities:				
Conditions for cours Completion: passed Condition for success - active participation - effective performan	e completion: sful course completion: in line with the study rule of procedure and course guidelines ce of all tasks- aerobics, water exercise, yoga, Pilates and others			
Learning outcomes: Content standard: The student demonstricourse syllabus and r Performance standard Upon completion of t - perform basic aerob - conduct verbal and - organise and manag	rates relevant knowledge and skills in the field, which content is defined in the ecommended literature. I: the course students are able to meet the performance standard and: ics steps and basics of health exercises, non-verbal communication with clients during exercise, e the process of physical recreation in leisure time			
Brief outline of the c Brief outline of the c I. Basic aerobics – lo 2. Basics of aqua fitm 3. Basics of Pilates 4. Health exercises 5. Bodyweight exerci 6. Swimming 7. Relaxing yoga exe 8. Power yoga 9. Yoga relaxation 10. Final assessment Students can engage volleyball, football, t	ourse: burse:			
Recommended litera 1. BUZKOVÁ, K. 20	t ure: 06. Fitness jóga. Praha: Grada. 167 s.			

 ŽECHOVSKÁ, I., MILEROVÁ, H., NOVOTNÁ, V. Aqua-fitness. Praha: Grada. 136 s. EVANS, M., HUDSON, J., TUCKER, P. 2001. Umění harmonie: meditace, jóga, tai-či, strečink. 192 s. JARKOVSKÁ, H., JARKOVSKÁ, M. 2005. Posilováni s vlastním tělem 417 krát jinak. Praha: Grada. 209 s. KOVAŘÍKOVÁ, K. 2017. Aerobik a fitness. Karolium, 130 s. 				
Course language: Slovak language				
Notes:	Notes:			
Course assessment Total number of assessed students: 54				
abs	n			
11.11	88.89			
Provides: Mgr. Agata Dorota Horbacz, PhD.				
Date of last modification: 29.03.2022				
Approved: prof. RNDr. Mária Kožurková, CSc.				

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚCHV/ SP1/14	Course name: Semestral Project I
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	nd the method: rse-load (hours): y period: rsent
Number of ECTS cro	edits: 4
Recommended seme	ster/trimester of the course: 1.
Course level: II.	
Prerequisities:	
Conditions for cours Elaboration and subm is an independent sea original papers, its pr After a successful pre "completed".	e completion: ission of a semester project based on the assignment of the teacher. Its content rch of scientific information in scientometric databases, subsequent study of ocessing and presentation of the results of literare search. esentation and answering any comments, the teacher will give the evaluation
Learning outcomes: Mastering the indepe literature.	ndent and creative processing of the assigned topic using the latest scientific
Brief outline of the c WoS and Scopus scie Ways to search these Specific search accod Selection of obtained Finding relevant orig Study of selected pap Processing of obtained Presentation of the re	ourse: ntific databases, resp. other, by the teacher suggested, accessible databases. databases. lring to the assignement of the teacher. results. inal articles. ers. d information into presentation. sults.
Recommended litera WoS and Scopus scie literature publishers.	ture: ntific databases, Science direct and other accessible websites of scientific Current scientific papers.
Course language: Slovak, English.	
Notes:	

Course assessment Total number of assessed students: 213				
abs	n			
99.53	0.47			
Provides: RNDr. Rastislav Serbin, PhD., prof. RNDr. Mária Kožurková, CSc., prof. Dr. Yaroslav Bazel', DrSc., prof. RNDr. Jozef Gonda, DrSc., doc. RNDr. Ján Imrich, CSc., doc. RNDr. Miroslava Martinková, PhD., doc. RNDr. Erik Sedlák, DrSc., RNDr. Nataša Tomášková, PhD., doc. RNDr. Viktor Víglaský, PhD., doc. RNDr. Rastislav Varhač, PhD., RNDr. Danica Sabolová, PhD., RNDr. Jana Šandrejová, PhD., doc. RNDr. Ivan Potočňák, PhD., RNDr. Marián Fabián, CSc., doc. RNDr. Miroslava Almáši, PhD., RNDr. Miroslava Matiková Maľarová, PhD., doc. RNDr. Zuzana Vargová, Ph.D., RNDr. Martin Vavra, PhD., prof. RNDr. Juraj Černák, DrSc., doc. RNDr. Juraj Kuchár, PhD., prof. RNDr. Vladimír Zeleňák, DrSc.				

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚCHV/ SP2/14	bourse ID: ÚCHV/ Course name: Semestral Project II P2/14			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present				
Number of ECTS cr	edits: 6			
Recommended seme	ster/trimester of the course: 3.			
Course level: II.				
Prerequisities:				
Based on the inform of experimental wor the teacher. The con and their evaluation successful presentatio "completed".	ation obtained from the subject Semester Project I, theoretical preparation ks in the laboratory and their realization according to the instructions of dition for successful completion is realization of the assigned experiments in the form of presentation. After the implementation of experiments, on of results and answering any comments, the teacher will give the evaluation			
Mastering independent scientific experiment the results.	ent and creative work concerning the preparation and implementation of s in the laboratory on the basis of the assigned topic and the ability to present			
Brief outline of the course: Design of experimental work based on the study of the original literature, taking into account the rules of safety at work and laboratory equipment. Design of experimental work based on the study of the original literature, taking into account the rules of safety at work and laboratory equipment. Realization of the experiment. Critical evaluation of the obtained results and their processing into the form of presentation. Presentation of results.				
Recommended litera Literature as recomm Current papers.	iture: endation by the teacher.			
Course language: Slovak, English.				
Notes:				

Course assessment Total number of assessed students: 148				
abs	n			
100.0	0.0			

Provides: RNDr. Rastislav Serbin, PhD., prof. RNDr. Mária Kožurková, CSc., prof. Mgr. Vasiľ Andruch, DSc., prof. Ing. Marián Antalík, DrSc., prof. Dr. Yaroslav Bazeľ, DrSc., doc. RNDr. Erik Sedlák, DrSc., doc. RNDr. Miroslava Martinková, PhD., doc. RNDr. Andrea Straková Fedorková, PhD., RNDr. Monika Tvrdoňová, PhD., doc. RNDr. Mária Ganajová, CSc., RNDr. Martin Vavra, PhD., prof. RNDr. Jozef Gonda, DrSc., doc. Ing. Viera Vojteková, PhD., prof. RNDr. Vladimír Zeleňák, DrSc., doc. RNDr. Ján Imrich, CSc., doc. RNDr. Ivan Potočňák, PhD., doc. RNDr. Katarína Reiffová, PhD., RNDr. Nataša Tomášková, PhD., doc. RNDr. Viktor Víglaský, PhD., RNDr. Danica Sabolová, PhD., doc. RNDr. Rastislav Varhač, PhD., doc. RNDr. Peter Pristaš, CSc., RNDr. Jana Šandrejová, PhD., doc. RNDr. Miroslav Almáši, PhD., RNDr. Miroslava Matiková Maľarová, PhD., doc. RNDr. Zuzana Vargová, Ph.D., prof. RNDr. Juraj Černák, DrSc., doc. RNDr. Juraj Kuchár, PhD.

Date of last modification: 25.01.2022

	. Safarik Universi	ity in Kosice			
Faculty: Facult	y of Science				
Course ID: ÚCHV/ Course name: Seminar to Diploma Thesis SDP/03					
Course type, so Course type: 1 Recommende Per week: 2 P Course metho	cope and the met Practice d course-load (he er study period: od: present	hod: ours): 28			
Number of EC	TS credits: 2				
Recommended	semester/trimes	ter of the cours	e: 4.		
Course level: I	[.				
Prerequisities:					
for serious reas completing the student.	course, the teach	, fulfillment of a er will give an e	alternative criterievaluation based	ia assigned by th on the activity a	te teacher. Aftend results of the
After completin emphasis on ac	ng the course, the curate expression	student is able and adherence	to work independ to ethical princip	dently in writing les.	a thesis with a
Brief outline of General princip phenomenon. P of citing literati	f the course: les of thesis writin processing of expe ure, preparation fo	ng, formal requir primental results for the defense of	rements of diplon in the form of ta the diploma the	na thesis, plagiari bles, figures and sis.	sm as a negative graphs. Methoe
Recommended As recommend	literature: ed by the teacher.				
Course langua Slovak, Englisł	ge:				
Notes:					
C	ient f assessed student	ts: 377			
Total number o	i ussessed student		î	1	
Total number o A	B	С	D	Е	FX

Ph.D., doc. RNDr. Ivan Potočňák, PhD., doc. RNDr. Taťána Gondová, CSc., doc. RNDr. Katarína Reiffová, PhD., prof. Mgr. Vasil' Andruch, DSc., prof. RNDr. Renáta Oriňaková, DrSc., RNDr.

Miroslava Matiková Maľarová, PhD., doc. RNDr. Juraj Kuchár, PhD., RNDr. Andrea Morovská Turoňová, PhD., doc. RNDr. Miroslav Almáši, PhD., RNDr. Rastislav Serbin, PhD.

Date of last modification: 25.01.2022

University: P. J. Šafá	rik Univers	ity in Košice			
Faculty: Faculty of S	Faculty: Faculty of Science				
Course ID: KPPaPZ/SPVKE/07	Course na Situations	Course name: Social-Psychological Training of Coping with Critical Life Situations			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present					
Number of ECTS cr	edits: 2				
Recommended seme	ster/trimes	ter of the course: 2.			
Course level: II.	Course level: II.				
Prerequisities:	Prerequisities:				
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 126					
abs	abs n z				
97.62	97.62 2.38 0.0				
Provides: Mgr. Ondrej Kalina, PhD.					
Date of last modification: 24.06.2022					
Approved: prof. RNI	Approved: prof. RNDr. Mária Kožurková, CSc.				

University, D. I. Čefé	arile University in Večice		
University: F. J. Sala			
Faculty: Faculty of S	Science		
Course ID: ÚTVŠ/ TVa/11	Course name: Sports Activities I.		
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present			
Number of ECTS cr	redits: 2		
Recommended seme	ester/trimester of the course: 1.		
Course level: I., I.II.	, II.		
Prerequisities:			
Conditions for cour	se completion:		

Min. 80% of active participation in classes.

Learning outcomes:

Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

Brief outline of the course:

Brief outline of the course:

Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.

In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness. In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

Recommended literature:

BENCE, M. et al. 2005. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. [online] Dostupné na: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 BUZKOVÁ, K. 2006. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN 8024715252.

JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308.

KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027.

KRESTA, J. 2009. Futsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. SNER, Wolfgang. 2004. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141. STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

VOMÁČKO, S. BOŠTÍKOVÁ, S. 2003. Lezení na umělých stěnách. Praha: Grada. 129s. ISBN 8024721743.

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 14548

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
86.46	0.07	0.0	0.0	0.0	0.05	8.41	5.02

Provides: Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., MPH, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., MUDr. Peter Dombrovský

Date of last modification: 29.03.2022

University: P. J. Šafá	rik University in Košice								
Faculty: Faculty of S	cience								
Course ID: ÚTVŠ/ TVb/11	Course ID: ÚTVŠ/ Course name: Sports Activities II. TVb/11								
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent								
Number of ECTS cr	edits: 2								
Recommended seme	ster/trimester of the course: 2.								
Course level: I., I.II.,	II.								
Prerequisities:									
Conditions for cours active participation in	e completion: n classes - min. 80%.								
Learning outcomes: Sports activities in all They have a great im enables students to s improve.	their forms prepare university students for their professional and personal life. apact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also								
Brief outline of the c Within the optional s University provides badminton, body form indoor football, S-M In the first two seme and particularities of i physical condition, c Last but not least, the means of a special pr In addition to these physical education tra the premises of the fac	ourse: ubject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik for students the following sports activities: aerobics, aikido, basketball, n, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, systems, step aerobics, table tennis, tennis, volleyball and chess. sters of the first level of education students will master basic characteristics individual sports, motor skills, game activities, they will improve level of their oordination abilities, physical performance, and motor performance fitness. e important role of sports activities is to eliminate swimming illiteracy and by ogram of medical physical education to influence and mitigate unfitness. sports, the Institute offers for those who are interested winter and summer tinings with an attractive program and organises various competitions, either at culty or University or competitions with national or international participation.								
Recommended litera BENCE, M. et al. 200 [online] Dostupné na BUZKOVÁ, K. 2006 8024715252	nture: 05. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. : https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 5. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN								

JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308.

KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027.

KRESTA, J. 2009. Futsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345.

LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. SNER, Wolfgang. 2004. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141. STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

VOMÁČKO, S. BOŠTÍKOVÁ, S. 2003. Lezení na umělých stěnách. Praha: Grada. 129s. ISBN 8024721743.

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 13211

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
84.35	0.51	0.02	0.0	0.0	0.05	10.78	4.29

Provides: Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., MPH, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., MUDr. Peter Dombrovský

Date of last modification: 29.03.2022

University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of Science							
Course ID: ÚTVŠ/ TVc/11	Course name: Sports Activities III.						
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent						
Number of ECTS cr	edits: 2						
Recommended seme	ster/trimester of the course: 3.						
Course level: I., I.II.,	П						
Prerequisities:							
Conditions for cours min. 80% of active p Learning outcomes: Sports activities in all They have a great in enables students to s	their forms prepare university students for their professional and personal life. pact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also						
improve. Brief outline of the c Within the optional s University provides badminton, body forr indoor football, S-M In the first two seme and particularities of physical condition, c Last but not least, the means of a special pr In addition to these physical education tra the premises of the far	ourse: ubject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik for students the following sports activities: aerobics, aikido, basketball, n, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, systems, step aerobics, table tennis, tennis, volleyball and chess. sters of the first level of education students will master basic characteristics individual sports, motor skills, game activities, they will improve level of their oordination abilities, physical performance, and motor performance fitness. important role of sports activities is to eliminate swimming illiteracy and by ogram of medical physical education to influence and mitigate unfitness. sports, the Institute offers for those who are interested winter and summer ainings with an attractive program and organises various competitions, either at culty or University or competitions with national or international participation.						
Recommended litera BENCE, M. et al. 20 [online] Dostupné na	i ture: 05. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. : https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571						

BUZKOVÁ, K. 2006. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN 8024715252.

JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308.

KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027.

KRESTA, J. 2009. Futsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345.

LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. SNER, Wolfgang. 2004. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141. STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

VOMÁČKO, S. BOŠTÍKOVÁ, S. 2003. Lezení na umělých stěnách. Praha: Grada. 129s. ISBN 8024721743.

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 8879

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
88.62	0.07	0.01	0.0	0.0	0.02	4.25	7.03

Provides: Mgr. Marcel Čurgali, Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., MPH, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., MUDr. Peter Dombrovský

Date of last modification: 29.03.2022

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVd/11	Course name: Sports Activities IV.
Course type, scope a Course type: Practic Recommended cou Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): idy period: 28 esent
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 4.
Course level: I., I.II.,	II.
Prerequisities:	
Conditions for cours min. 80% of active p	se completion: articipation in classes
Learning outcomes: Sports activities in all They have a great in enables students to s improve.	their forms prepare university students for their professional and personal life pact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also
Brief outline of the c Within the optional s University provides badminton, body forr indoor football, S-M In the first two seme and particularities of physical condition, c Last but not least, the means of a special pr In addition to these physical education tra the premises of the fa	ourse: ubject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik for students the following sports activities: aerobics, aikido, basketball n, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building systems, step aerobics, table tennis, tennis, volleyball and chess. sters of the first level of education students will master basic characteristics individual sports, motor skills, game activities, they will improve level of their coordination abilities, physical performance, and motor performance fitness important role of sports activities is to eliminate swimming illiteracy and by ogram of medical physical education to influence and mitigate unfitness. sports, the Institute offers for those who are interested winter and summer ainings with an attractive program and organises various competitions, either a culty or University or competitions with national or international participation
Recommended litera BENCE, M. et al. 20 Ionlinel Dostupné na	iture: 05. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. ; https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571

[online] Dostupné na: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 BUZKOVÁ, K. 2006. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN 8024715252.

JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308.

KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027.

KRESTA, J. 2009. Futsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345.

LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. SNER, Wolfgang. 2004. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141. STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

VOMÁČKO, S. BOŠTÍKOVÁ, S. 2003. Lezení na umělých stěnách. Praha: Grada. 129s. ISBN 8024721743.

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 5628

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
82.66	0.28	0.04	0.0	0.0	0.0	8.05	8.97

Provides: Mgr. Marcel Čurgali, Mgr. Agata Dorota Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., MPH, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Mgr. Richard Melichar, Mgr. Petra Tomková, PhD., MUDr. Peter Dombrovský

Date of last modification: 29.03.2022

University: P. J. Šafá	rik University in Košice							
Faculty: Faculty of S	cience							
Course ID: ÚCHV/ SVKBCH/03	Course ID: ÚCHV/ Course name: Students Scientific Conference - Seminar and Presentation SVKBCH/03							
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent							
Number of ECTS cr	edits: 4							
Recommended seme	ster/trimester of the course							
Course level: II.								
Prerequisities:								
Conditions for cours	e completion:							
Learning outcomes:								
Brief outline of the c	ourse:							
Recommended litera	ture:							
Course language:								
Notes:								
Course assessment Total number of asses	ssed students: 3							
	abs n							
	100.0 0.0							
Provides: prof. RND	. Mária Kožurková, CSc.							
Date of last modifica	tion: 20.09.2021							
Approved: prof. RNI	Dr. Mária Kožurková, CSc.							

University: P. J. Šafán	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ LKSp/13	Course name: Summer Course-Rafting of TISA River
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: se se-load (hours): dy period: 28 sent
Number of ECTS cro	edits: 2
Recommended semes	ster/trimester of the course:
Course level: I., II.	
Prerequisities:	
Conditions for cours Completion: passed Condition for success - active participation - effective performance paddling	e completion: ful course completion: in line with the study rule of procedure and course guidelines ce of all tasks: carrying a canoe, entering and exiting a canoe, righting a canoe,
Learning outcomes: Content standard: The student demonstr course syllabus and re Performance standard Upon completion of t - implement the acqui - implement basic ski - determine the right s - prepare a suitable m	ates relevant knowledge and skills in the field, which content is defined in the ecommended literature. I: he course students are able to meet the performance standard and: ired knowledge in different situations and practice, Ils to manipulate a canoe on a waterway, spot for camping, aterial and equipment for camping.
 Brief outline of the constraints Safety rules for rafing Setting up a crew Practical skills traints Canoe lifting and constraints Canoe lifting and constraints Canoe lifting and constraints Putting the canoe in the canoe Exiting the canoe on the pry stroke (on b) The draw stroke 	burse: burse: liculty of waterways ting hing using an empty canoe arrying h the water without a shore contact e ut of the water fast waterways)

11. Capsizing	
12. Commands	
Recommended literature:	
1. JUNGER, J. et al. Turistika a športy v prírode 8080680973.	e. Prešov: FHPV PU v Prešove. 2002. ISBN
Internetové zdroje:	
1. STEJSKAL, T. Vodná turistika. Prešov: PU v	Prešove. 1999.
Dostupné na: https://ulozto.sk/tamhle/UkyxQ21	YF8qh/name/Nahrane-7-5-2021-v-14-46-39#!
ZGDJBGR2AQtkAzVkAzLkLJWuLwWxZ2uk	BRLjnGqSomICMmOyZN==
Course language:	
Slovak language	
Notes:	
Course assessment	
Total number of assessed students: 209	
abs	n
37.32	62.68
Provides: Mgr. Dávid Kaško, PhD.	
Date of last modification: 29.03.2022	

Approved: prof. RNDr. Mária Kožurková, CSc.

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University: P. J.	Šafárik Univers	ity in Košice							
Faculty: Faculty of Science									
Course ID: ÚCH XBCH/04	Course ID: ÚCHV/ Course name: Xenobiochemistry XBCH/04								
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 3 Per study period: 42 Course method: present									
Number of ECT	S credits: 5								
Recommended	semester/trimes	ster of the course	e: 2., 4.						
Course level: II.									
Prerequisities:									
Conditions for a Written test, from	course completi m which the stud	on: dent must obtain a	at least 51 %.						
Learning outcome Students will ha	mes: ve knowledge of	f xenobiotics met	abolism in living	g organisms.					
Brief outline of Characterization reactions - oxida and their effects	the course: of metabolism tion, reduction, , lipid peroxidat	of xenobiotics ir hydrolysis, conju ion.	n the liver. The t gation. Biotransf	basic types of bio formation enzyme	otransformation es. Free radicals				
Recommended literature: Z. Ďuračková: Voľné radikály a antioxidanty v medicíne, Slovak akademik press 1998. Z.Vodrážka : Biochémia, Praha, 1996. A. Jindra: Biochémia, molekulárnobiologické a farmakologické aspekty, Praha, 1985.									
Course languag	e:								
Notes:									
Course assessment Total number of assessed students: 98									
A	В	С	D	Е	FX				
57.14	20.41	12.24	6.12	4.08	0.0				
Provides: prof. Ing. Marián Antalík, DrSc., RNDr. Danica Sabolová, PhD.									
Date of last modification: 17.08.2022									
Approved: prof. RNDr. Mária Kožurková, CSc.									