CONTENT

1. Ancient Philosophy and Present Times	3
2. Animal and human ecophysiology	4
3. Applied entomology	5
4. Basic chiropterology	6
5. Basic molecular methods in Zoology and Animal Physiology	7
6. Basics of Neurophysiology	9
7. Biopharmacology	10
8. Biospeleology	11
9. Cell metabolism	13
10. Chapters from History of Philosophy of 19th and 20th Centuries (General Introduction)	14
11. Chronophysiology	15
12. Communication and Cooperation	16
13. Comparative animal physiology	17
14. Cytogenetics and Karyology	18
15. Diploma Thesis Seminar	20
16. Diploma Thesis Seminar	21
17. Diploma Thesis Seminar	22
18. Diploma Thesis Seminar	23
19. Diploma Thesis and its Defence	24
20. Ecological ethology	25
21. Ecology of Amphibians	26
22. Ecology of Birds	27
23. Ecology of Soil Animals	28
24. Ecology of Water Animals	30
25. Ecology of mammals	
26. Entomocenoses of Slovakia	
27. Ethology	
28 Evolutionary Biology	35
29 History of Philosophy 2 (General Introduction)	36
30 Hydrobiology	37
31 Idea Humanitas 2 (General Introduction)	38
32 Immunology	39
33 Introduction to Flow Cytometry	41
34 Metódy ekologického výskumu cicaycov	43
35 Molecular basis of ontogenetic development	44
36 Neuroanatomy	45
37 Parasitology II	47
38 Plant Metabolism	، ب ۱۸
39 Practical in immunology	4 0
40 Psychology and Health Psychology (Master's Study)	
40. I Sychology and Ticanii I Sychology (Master S Study)	50
41. Seasing Action Exclusion immunology	52
13 Selected topics in herpetology	54
4. Social-Psychological Training of Coning with Critical Life Situations	<i>55</i> 57
45 Soil Ecology	57
45. SUIL DOIDEY	00
40. Sports Activities II	00 60
47. Sports Activities II.	02
40. Spons Acuvines III	04

49. Sports Activities IV.	66
50. Stem Cell Biology	
51. Student Scientific Conference	
52. Summer Course-Rafting of TISA River	71
53. Survival Course.	
54. Urbánna ekológia	75
55. Vývinové a molekulárne mechanizmy v evolúcii stavovcov	
56. Zoogeography	
57. Zoology and Animal Physiology	79

University: P. J.	Šafárik Univers	sity in Košice				
Faculty: Faculty	of Science					
Course ID: KF/ AFS/05	Course na	ame: Ancient Ph	ilosophy and Pre	esent Times		
Course type, sco Course type: P Recommended Per week: 2 Pe Course method	ope and the me ractice course-load (h r study period: l: present	thod: ours): 28				
Number of ECT	S credits: 2					
Recommended :	semester/trime	ster of the cours	e: 2.			
Course level: II.						
Prerequisities:						
Conditions for a	course completi	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	e:					
Notes:						
Course assessme Total number of	ent assessed studen	its: 31				
A	В	С	D	E	FX	
80.65	80.65 6.45 6.45 0.0 6.45 0.0					
Provides: Doc. I	PhDr. Peter Nez	ník, CSc.	<u>I</u>			
Date of last mod	lification: 17.09	9.2020				
Approved:						

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚB EFZ1/03	Course ID: ÚBEV/ Course name: Animal and human ecophysiology EFZ1/03				
Course type, sc Course type: I Recommended Per week: 2 / 2 Course metho	ope and the me Lecture / Practice d course-load (h 2 Per study peri d: present	thod: c ours): od: 28 / 28			
Number of EC	FS credits: 6				
Recommended	semester/trime	ster of the cours	e: 1.		
Course level: II	•				
Prerequisities:					
Conditions for Seminar. Test.	course completi	on:			
Learning outco The aim of lectr and extreme en	mes: ures is to provide vironments effec	e students with k ts.	nowledge of ada	ptations to enviro	nmental factors
Brief outline of Environmental - general adap pain, inflamma fasting, starvati to hypobaria and Biotransformati tumor supresson	the course: factors, reaction tation syndrom. tion, apoptosis, on, overfeeding. d hyperbaria. Ad ton. Xenobiotics r genes. Cancer p	n, adaptation, de Physiology and necrosis. Aging Thermoregulatic aptations to hype in air, water and prevention. Prion	eformation. Biol l pathology of a g. Regulation of on. Hibernation, or rgravity and mice soil. Drugs of at s.	logical rhythms. adaptation mecha food intake. For estivation, diapau rogravity. Electro puse. Carcinogene	Stress reaction anisms - fever, ood adapations, ise. Adaptations magnetic fields. esis, oncogenes,
Recommended 1. Wilmer P and 2. Chown SL, N	literature: d co.: Environme Vicolson SW: Ins	ental Physiology ect Physiologica	of Animals. Blac l Ecology. Oxfor	ckwell Publishing d University Pres	; Inc., 2004 ss 2004
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 422			
А	В	С	D	E	FX
13.51 22.75 23.22 22.99 16.35 1.18					
Provides: doc. 1	RNDr. Bianka Bo	ojková, PhD.			
Date of last mo	dification: 12.05	5.2021			
Approved:					

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚBE AEN1/03	V/ Course na	me: Applied ent	comology		
Course type, scop Course type: Le Recommended o Per week: 2 / 1 I Course method:	be and the met cture / Practice course-load (h Per study peri- present	thod: ours): od: 28 / 14			
Number of ECTS	S credits: 5				
Recommended se	emester/trimes	ster of the cours	e: 1., 3.		
Course level: II.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcom	les:				
Brief outline of tl	ne course:				
Recommended li	terature:				
Course language	:				
Notes:					
Course assessmen Total number of a	nt ssessed studen	ts: 125			
Α	В	С	D	Е	FX
51.2	37.6	8.8	0.8	1.6	0.0
Provides: doc. RN	NDr. Ľubomír I	Panigaj, CSc., RN	NDr. Peter Ľuptá	čik, PhD.	
Date of last modi	fication: 03.05	5.2015			
Approved:					

University: P. J. Šafá	rik University in Košice					
Faculty: Faculty of S	cience					
Course ID: ÚBEV/ ZCHI2/11	Course name: Basic chiro	pterology				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present						
Number of ECTS cr	edits: 3					
Recommended seme	ster/trimester of the cours	e: 1.				
Course level: II.						
Prerequisities:						
Conditions for cours	e completion:					
Learning outcomes: Comprehensive revie conditions of the tem	ew of scientific knowledge perate zone.	on bats. Review on methods of bat research in				
Brief outline of the c Bat systematics. Spe Echolocation. Ecolog population ecology. H	course: ecies diversity, bats of the gy: roosts, diet, hibernatior Research methods.	Palaearctic. Morphology, anatomy, physiology. ns, migration. Social structure, mating systams,				
Recommended litera Kunz T. H. & Fenton and London, 779 pp.	Recommended literature: Kunz T. H. & Fenton M. B. (eds), 2003: Bat ecology. The University of Chicago Press, Chicago and London, 779 pp.					
Course language:						
Notes:						
Course assessment Total number of asses	Course assessment Total number of assessed students: 76					
	abs n					
98.68 1.32						
Provides: doc. RNDr	Provides: doc. RNDr. Marcel Uhrin, PhD.					
Date of last modifica	ntion: 03.05.2015					
Approved:						

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ MMZ/20	Course name: Basic molecular methods in Zoology and Animal Physiology
Course type, scope a Course type: Lectur Recommended cour Per week: 1 / 2 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 14 / 28 esent
Number of ECTS cr	edits: 3
Recommended seme	ster/trimester of the course: 1., 3.
Course level: II.	
Prerequisities:	
Conditions for cours Ongoing evaluation: Final evaluation: fulf	e completion: active participation on practical exercises illing the practical task
Learning outcomes: Practical skills in the - Pipetting methods, - DNA/RNA extracti - PCR methods (PCR - database NCBI (Ge - basic instructions in phylogenetic trees	following techniques: on, ,, RT-PCR, qRT-PCR) + electrophoretic visualization nBank, BOLD) n using of phylogenetic program Mega: sequences trimming, construction of
Brief outline of the c The aim of the subject problems of zoologic practical form. The course focuses physiology of animat theoretical knowledg (especially in the solu	ourse: ct is to introduce the methods of molecular biology as the tools used to solve cal, ecological and physiological studies, in both theoretical but first of all in on basic molecular methods used in studies of taxonomy, ecology and als (invertebrates and vertebrates). The main task is to provide not only ge, but in the form of practical exercises, mainly skills usable in practice ation of future bachelor and master theses).
Recommended litera Šmarda a kol. 2005. J Weaver, R.F. 2002. M Pastoráková A. & Pe genetike. Univerzita	nture: Metody molekulární biologie. Masarykova univerzita, Brno. Iolecular biology. University of Kansas trovič, R. 2016. Molekulárne metódy aktuálne používané v klinickej Komenského v Bratislave, Lekárska fakulta
Course language: Slovak or English lar	nguage
Notes:	

Course assessment Total number of assessed students: 2							
А	A B C D E FX						
100.0	0.0	0.0	0.0	0.0	0.0		
Provides: RNDr. Andrea Parimuchová, PhD., RNDr. Terézia Kisková, PhD.							
Date of last modification: 14.05.2021							
Approved:							

University: P. J.	. Šafárik Univers	sity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚB ZNFYZ/15	Course ID: ÚBEV/ Course name: Basics of Neurophysiology ZNFYZ/15				
Course type, sc Course type: I Recommended Per week: 2 / 1 Course metho	ope and the me Lecture / Practice d course-load (h l Per study peri d: present	thod: e ours): od: 28 / 14			
Number of EC	ΓS credits: 4				
Recommended	semester/trimes	ster of the cours	e:		
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	ıts: 37			
А	В	С	D	Е	FX
83.78	10.81	5.41	0.0	0.0	0.0
Provides: RNDr. Ján Gálik, CSc., prof. RNDr. Beňadik Šmajda, CSc.					
Date of last mo	dification:				
Approved:					
1					

University: P. J	. Šafárik Univer	sity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚB BFA1/03	Course ID: ÚBEV/ Course name: Biopharmacology BFA1/03						
Course type, sc Course type: 1 Recommender Per week: 2/2 Course metho	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	TS credits: 5						
Recommended	semester/trime	ster of the course	e: 2.				
Course level: II	•						
Prerequisities:							
Conditions for Written test. Oral exmanitati	course complet on.	ion:					
Learning outco To provide the s most important	mes: students with bas pharmaceuticals	sic knowledge on	the classificatio	n and mechanism	n of action of the		
Brief outline of Pharmaceutical of drugs from receptor interac Development at	the course: principles. Class the organism. Petions. Chronic a nd introduction of	ssification of drug harmacogenetics. administration of of drugs for clinic	gs. Absorption, Molecular me drugs. Teratoge al use. Principle	biotransformatio chanisms of drug nity and cancero of chronopharm	n and excretion g effects. Drug- genity of drugs. acology		
Recommended Clark, W. G., B 1992	literature: raber, D.C., John	nen, A.R.: Goth's	medical pharma	acology. Mosby Y	Year Book,		
Course languag	ge:						
Notes:							
Course assessm Total number of	Course assessment Total number of assessed students: 243						
А	В	C	D	Е	FX		
14.81	14.81 25.51 23.87 16.46 17.28 2.06						
Provides: doc. 1	Provides: doc. RNDr. Monika Kassayová, CSc.						
Date of last mo	dification: 03.0	5.2015					
Approved:							

University: P. J. Š	Šafárik Univers	ity in Košice					
Faculty: Faculty	of Science						
Course ID: ÚBE BSP/04	Course ID: ÚBEV/ Course name: Biospeleology BSP/04						
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method: present							
Number of ECTS	S credits: 4						
Recommended se	emester/trimes	ter of the cours	se: 2.				
Course level: II.							
Prerequisities:							
Conditions for co active participation preparation of ora semestral written oral examination	ourse completion on on the semin al presentation to test	on: ars and field trip o the selected to	os opic				
Learning outcom The main goal of relationships and of the cave biota.	nes: of the subject adaptations to t	is to get basic he specific envi	knowledge on ronment, its role	the diversity of in the cave system	the cave biota, n and protection		
Brief outline of the The subject cover to this specific hall between its comp	he course: rs morphology a bitat type, geog oonents, human	and systematics of aphic distribution influence and provide the providence and provide the provide the providence and	of the cave fauna on, functioning o rotection of the c	a and microflora, t of the cave system cave biota.	heir adaptations and interactions		
Recommended literature: Culver D. C., 1982: Cave life – evolution and ecology. Harvard University Press, Cambridge, Massachusetts and London Culver D.C., White W.B., 2005: Encyclopedia of caves. Elsevier, 1-654 Vandel A., 1965: Biospeleology - the biology of cavernicolous animals. Pergamon Press, Oxford Wilkens H., Culver D.C., Humphreys W.F., 2000: Subterranean Ecosystems. Ecosystems of the World, vol. 30. Elsevier, 1-791							
Course language	:						
Notes:							
Course assessment Total number of assessed students: 76							
A	В	С	D	Е	FX		
96.05	0.0	2.63	1.32	0.0	0.0		
Provides: prof. R	NDr. Ľubomír I	Kováč, CSc.					

Date of last modification: 03.05.2015

Approved:

University: P. J.	University: P. J. Šafárik University in Košice					
Faculty: Faculty	of Science					
Course ID: ÚBI MEB1/03	BEV/ Course name: Cell metabolism					
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 ECT	FS credits: 6					
Recommended	semester/tri	mester of the cours	se: 1.			
Course level: II						
Prerequisities:						
Conditions for of Recognition. Oral examination	course comp n.	letion:				
Learning outco To provide the s	mes: tudents with	knowledge about th	e principal meta	bolic processes in	n living cells.	
Brief outline of Carbohydrates - lipid metabolism metabolism. Pla Protein metabol mechanisms of metabolic proce	the course: – significanc m in humans asma lipopro ism and its ir water-base b sses	e and role in anima s. Lipid metabolism teins – metabolism born errors. Water a alance in animal org	al organisms. In n. Role of the l and disorders. and solute metab ganisms. Metabo	born errors of ca liver and adipose Cholesterol and oolism. Physiolog olic regulation. Te	arbohydrate and e tissue in lipid atherosclerosis. y and regulatory opochemistry of	
 Recommended literature: 1. Murray, R. K., Grammer, D. K., Mayes, P. A., Rodwell, V.W.: Harper's Biochemistry. Prentice-Hall, Appleton & Lange, 1993 2. Vasudevan D.M. and co.: Textbook of Biochemistry for Medical Students. Jaypee Brothers Medical Publishers 2011 						
Course languag	je:					
Notes:						
Course assessment Total number of assessed students: 203						
А	В	C	D	E	FX	
33.5 24.14 17.73 13.3 7.39 3.94						
Provides: doc. F	RNDr. Monik	a Kassayová, CSc.				
Date of last modification: 03.05.2015						
Approved:	Approved:					

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	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 I course-load (h er study period: d: present	hod: ours): 28			
Number of EC	FS credits: 2				
Recommended	semester/trimes	ter of the cours	e: 2.		
Course level: II	•				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
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	20.0	10.0	0.0	10.0	10.0
Provides: PhDr.	Dušan Hruška, I	PhD.	<u>I</u>		<u>I</u>
Date of last mo	dification: 03.05	.2015			
Approved:					

Г

University: P. J. Šafárik University in Košice									
Faculty: Fa	culty of S	cience							
Course ID: CRO1/03	rse ID: ÚBEV/ Course name: Chronophysiology								
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	Number of ECTS credits: 5								
Recommen	ded seme	ster/trimester	of the cours	e: 1.					
Course leve	el: II., III.								
Prerequisit	ies:								
Conditions Oral exami	for cours	e completion:							
Learning o To outline t in evolution	utcomes: the problem n of living	matics of the tin organisms and	me organizat for the adap	ion of biolog tation to regu	gical processe alar changes	es and their s in their envir	significance conment.		
Brief outlin Time struct biological r genetic bass of biologica and season principles.	ture of the c ture of ph hythms. T is and mol al rhythms al rhthms	ourse: ysiological var The significance ecular mechani 5. The multiosc for the anima	tiables in an e of biologic sms of biolog illatory syste al and huma	imals and m al rhythms in gical clocks i m of the org n life. The	an. Basic no n the evolutio n animals. Th anism. The s application c	tions and ca on of living ne endogenou ignificance of of chrono-ph	the structure of the st		
Recommen	ded litera	ture:							
Course lan	guage:								
Notes:									
Course asso Total numb	essment er of asses	ssed students: 8	9						
А	В	С	D	Е	FX	Ν	Р		
21.35	21.35	29.21	12.36	4.49	0.0	0.0	11.24		
Provides: p	rof. RND	: Beňadik Šma	jda, CSc., RI	NDr. Natália	Pipová, PhD				
Date of last modification: 29.06.2021									
Approved:									

University: P. J. Šafá	rik Universi	ty in Košice				
Faculty: Faculty of S	cience					
Course ID: KPPaPZ/KK/07	Course ID: Course name: Communication and Cooperation CPPaPZ/KK/07 Course name: Communication and Cooperation					
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the met ce rse-load (ho dy period: esent	hod: ours): 28				
Number of ECIS cr	edits: 2					
Recommended seme	ster/trimes	ter of the course: 3.				
Course level: 11.						
Prerequisities:						
Conditions for cours	e completio	on:				
Learning outcomes:						
Brief outline of the c	ourse:					
Recommended litera	iture:					
Course language:						
Notes:						
Course assessment Total number of asses	ssed student	s: 281				
abs		n	Z			
98.22		1.78	0.0			
Provides: Mgr. Ondre	ej Kalina, Pl	hD., Mgr. Lucia Barbierik, PhD.				
Date of last modifica	Date of last modification: 24.06.2021					
Approved:						

University, D. I. Šeférik University in Večice								
University: P. J. Safárik University in Košice								
Faculty: Fa	Faculty: Faculty of Science							
Course ID: PFYZ/15	PFYZ/15							
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	ECTS cro	edits: 3						
Recommen	ded seme	ster/trimester	of the cours	e: 1., 3.				
Course leve	el: II., III.							
Prerequisit	ies:							
Conditions Performance	for cours the of oral e	e completion: examination.						
Learning o The student the various	utcomes: ts receive a life condit	an overview on tions on the ind	the significatividual level	nce of phys s of the phy	iological ada logenesis.	ptational me	chanisms to	
Brief outlin Phylogeny influencing various spe environmer Evolution of and vertebr animal beh Comparison and aquatic	of food ac the metab cies). Then the brain ates. Repr aviour. The of the ci animals.	ourse: equisition, proc polic rate; phys mal housekeep ylogenic develo . Endocrinal an oductive system e mechanisms rculatory system Excretory system	essing and un iology of phy bing (poikilot opment of the od neuroendoor ms of the ani- of the excha- ms in animal ems of the an	tilization in vsical work; hermic and lenervous system crinal regulation imals. Navigunge of respires. Water- animals.	animals. Ene principles of homoiotherm stem. Sensori tion of body gation in anir iratory gases d mineral ho	rgy metabol f aerobic perf nic strategies c abilities of functions in o nals. Motori in a phylogo usekeeping i	ism (factors formance in , life in cool the animals. evertebrates c basicss of enetic view. in terrestrial	
Recommen	ded litera	ture:						
Course lan	guage:							
Notes:								
Course asso Total numb	essment er of asses	ssed students: 2	20					
А	В	C	D	Е	FX	N	Р	
45.0	25.0	0.0	10.0	5.0	0.0	0.0	15.0	
Provides: p	rof. RNDr	: Beňadik Šma	jda, CSc.					
Date of last	modifica	tion: 03.05.20	15					
Approved:	,							
t								

University:	P. J. Šafár	ik University i	n Košice						
Faculty: Fa	culty of Sc	cience							
Course ID: CK1/03	Course ID: ÚBEV/ Course name: Cytogenetics and Karyology CK1/03								
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present									
Number of ECTS credits: 4									
Recommen	ded semes	ster/trimester	of the cours	e:					
Course leve	e l: II., III.								
Prerequisiti	ies:								
written tests Practicals: required. Th	Conditions for course completion: written tests, oral examination; Practicals: The protocols and worksheets from the practical activities or distance learning are required. The e-learning course UBEV/Cytogenetika a karylógia is available in Moodle.								
Learning of To gain kno findings of genome ma	utcomes: wledge an cytogenet pping (HU	d experience o ics. To get acc JGO project).	n genetic pro uainted in d	ecesses at the etail with the	cell level usi e results and	ing the newe significanc	st scientific e of human		
Brief outlin Organisatio structure an Polythene o cell differen characterist	e of the connection of eukard changes chromoson nation. A ics of the l	yotic genome. of chromatin. nes. Cell cyclo poptosis. Telon Human genom	Nuclear ske Levels of D e. Genetic re neres and fu project - what	eleton. Nucle NA organisa egulation of nction of tel at we can lea	olus, nucleo tion in cell 1 a cell cycle omerase. Mo rn from it?	lar skeleton. nucleus. Chr . Genetic re blecular cyto	Chromatin romosomes. gulation of logy. Basic		
Recommended literature: Snustad, P.D., Simmons, M.J.: Principles of Genetics. John Wiley and Sons, 5th edition 2009, 871 pp. Periodicals Internet sources									
Internet sou	irces								
Internet sou	urces guage:								
Course lang	urces guage:								
PeriodicalsInternet souCourse langNotes:Course asseTotal number	erces guage: essment er of asses	sed students: 1	404						
PeriodicalsInternet souCourse langNotes:Course asseTotal numberA	er of asses B	sed students: 1	404 D	E	FX	N	Р		
PeriodicalsInternet souCourse langNotes:Course asseTotal numberA24.79	arces guage: essment er of asses B 15.17	sed students: 1 C 15.81	404 D 14.1	E 18.02	FX 11.18	N 0.0	P 0.93		
PeriodicalsInternet souCourse langNotes:Course asseTotal numberA24.79Provides: pr	essment er of asses B 15.17 rof. RNDr.	sed students: 1 C 15.81 . Eva Čellárová	404 D 14.1 á, DrSc., RN	E 18.02 Dr. Katarína	FX 11.18 Bruňáková, 1	N 0.0 PhD.	P 0.93		

Approved:

University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of S	Faculty: Faculty of Science						
Course ID: ÚBEV/ SDPa/15	Course ID: ÚBEV/ Course name: Diploma Thesis Seminar SDPa/15						
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: 4						
Recommended seme	ster/trimester of the cours	e: 1.					
Course level: 11.							
Prerequisities:							
Conditions for cours	e completion:						
Learning outcomes:							
Brief outline of the c	ourse:						
Recommended litera	iture:						
Course language:							
Notes:							
Course assessment Total number of asses	ssed students: 206						
	abs	n					
	100.0	0.0					
Provides:							
Date of last modifica	Date of last modification: 03.05.2015						
Approved:							

University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of S	Faculty: Faculty of Science						
Course ID: ÚBEV/ SDPb/15	Course ID: ÚBEV/ Course name: Diploma Thesis Seminar SDPb/15						
Course type, scope a Course type: Recommended cour Per week: Per stud Course method: pre	nd the method: rse-load (hours): ly period: esent						
Number of EC18 cr		2					
Recommended seme	ster/trimester of the cours	e: 2.					
Course level: 11.	-						
Prerequisities:							
Conditions for cours	e completion:						
Learning outcomes:							
Brief outline of the c	ourse:						
Recommended litera	iture:						
Course language:							
Notes:							
Course assessment Total number of asses	ssed students: 168						
	abs	n					
	100.0	0.0					
Provides:							
Date of last modifica	Date of last modification: 03.05.2015						
Approved:							

University: P. J. Šafá	rik University in Košice					
Faculty: Faculty of S	cience					
Course ID: ÚBEV/ SDPc/15	Course ID: ÚBEV/ Course name: Diploma Thesis Seminar SDPc/15					
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: 4					
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:						
Course assessment Total number of asses	ssed students: 169					
	abs	n				
	100.0	0.0				
Provides:	Provides:					
Date of last modification: 03.05.2015						
Approved:						

University: P. J	. Šafárik Univers	sity in Košice					
Faculty: Facult	y of Science						
Course ID: ÚB SDPd/15	Course ID: ÚBEV/ Course name: Diploma Thesis Seminar DPd/15						
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present							
Number of EC	TS credits: 4						
Recommended	semester/trimes	ster of the cours	e: 4.				
Course level: II	- -						
Prerequisities:							
Conditions for	course completi	ion:					
Learning outco	omes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number of	nent f assessed studen	its: 166					
А	В	С	D	Е	FX		
86.75	9.04	2.41	0.6	1.2	0.0		
Provides:	Provides:						
Date of last modification: 03.05.2015							
Approved:							

University: P. J	. Šafárik Univer	sity in Košice								
Faculty: Facult	y of Science									
Course ID: ÚB DPO/14	ÚBEV/ Course name: Diploma Thesis and its Defence									
Course type, sc Course type: Recommended Per week: Per Course metho	cope and the m d course-load (r study period: d: present	ethod: hours):								
Number of EC	TS credits: 20									
Recommended	semester/trim	ester of the cours	e:							
Course level: II										
Prerequisities:										
Conditions for	course comple	tion:								
Learning outco	omes:									
Brief outline of	the course:									
Recommended	literature:									
Course languag	ge:									
Notes:										
Course assessm Total number of	nent f assessed stude	nts: 205								
А	В	C	D	Е	FX					
57.56	24.88	10.24	5.37	1.95	0.0					
Provides:	Provides:									
Date of last modification: 03.05.2015										
Approved:					Approved:					

University: P. J. Šafárik University in Košice									
Faculty: Fa	Faculty: Faculty of Science								
Course ID: EET1/03	Course ID: ÚBEV/ Course name: Ecological ethology EET1/03								
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: 6							
Recommen	ded seme	ster/trimester (of the cours	e: 2.					
Course leve	el: II., III.								
Prerequisit	ies: ÚBEV	//ETO1/03							
Conditions Field excur Oral exami	for cours sion nation.	e completion:							
Learning o To analyze of view of s	utcomes: and compi sociobiolo	rehend to pricipl gy	es of behavi	oral strategie	es in a given e	cosystem fro	om the point		
Brief outlin The topic of in animals the ecosyst parental str	Brief outline of the course: The topic of sociobiology and its relations to other disciplines. The evolution of social behavior in animals and in man. Strategies of social interactions and formation of groups in relation to the ecosystem. The choice of appropriate social arrangement, sexual partner, reproductional and parental strategy. Competition among indiviuals and sexes.								
Recommen	ded litera	ture:							
Course lan	guage:								
Notes:									
Course asse Total numb	essment er of asses	ssed students: 2	02						
Α	В	C	D	Е	FX	Ν	Р		
87.62	3.96	5.45	0.5	0.0	0.0	0.0	2.48		
Provides: R	NDr. Igor	Majláth, PhD.							
Date of last	modifica	tion: 16.05.202	1						
Approved:									
L									

University: P. J. Šafárik University in Košice							
Faculty: Faculty of	Science						
Course ID: ÚBEV/ EKO/20	Course na	me: Ecology of	Amphibians				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method: present							
Number of ECTS	credits: 2						
Recommended sen	nester/trimes	ster of the course	e: 2.				
Course level: II.							
Prerequisities:							
Conditions for cou Ongoing evaluation Final evaluation: fu	rse completint: active particular the particular th	on: cipation on pract ractical task.	ical exercises.				
Learning outcome	s:						
Presenting the basic methods used in the take place directly amphibians, handli be involved in acti Slovakia (building)	knowledge c eir research. in the field ng, obtaining vities related of protection	of the most threate This subject will with the main a of biological main to the protection barriers, transferr	ned class of ver contain theoret im to show stu aterial and its n of amphibiar ing of amphibi	rtebrates - amphibi tical and practical udents how to obs storage. In addition is in selected loca ans during their sp	ans, and various part, which will serve and catch on, students will ations in eastern oring migration).		
Recommended lite Dodd Jr C.K., 2010 Oxford University Hillman S. S., Woth physiology of ampl	Recommended literature: Dodd Jr C.K., 2010. Amphibian ecology and conservation: a handbook of techniques. New York: Oxford University Press. Hillman S. S., Wothers P. C., Drewes R. C. & Hillyard S. D., 2009: Ecological and environmental physiology of amphibians. New York: Oxford University Press.						
Course language: Slovak or English l	anguage.						
Notes:							
Course assessment Total number of ass	sessed studen	ts: 11					
Α	В	С	D	E	FX		
100.0	0.0	0.0	0.0	0.0	0.0		
Provides: RNDr. M	lonika Balogo	ová, PhD., RNDr.	Natália Pipova	á, PhD.			
Date of last modifi	Date of last modification: 21.02.2020						
Approved:							

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚBE EKV1/03	V/ Course na	me: Ecology of	Birds		
Course type, sco Course type: La Recommended Per week: 2 / 1 Course method	pe and the met ecture / Practice course-load (h Per study perio : present	hod: ours): od: 28 / 14			
Number of ECT	S credits: 5				
Recommended s	emester/trimes	ter of the cours	e: 2.		
Course level: II.					
Prerequisities:					
Conditions for c	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	the course:				
Recommended li	iterature:				
Course language	2:				
Notes:					
Course assessme Total number of	ent assessed studen	ts: 230			
A	В	С	D	Е	FX
74.35	14.78	9.13	0.43	1.3	0.0
Provides: Mgr. P	eter Kaňuch, Pł	D.			L
Date of last mod	ification: 03.05	.2015			
Approved:					

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ EPZ1/03	Course name: Ecology of Soil Animals
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 28 / 28 esent
Number of ECTS cr	edits: 6
Recommended seme	ster/trimester of the course: 2.
Course level: II.	
Prerequisities:	
Conditions for cours active participation in preparation of the pre semestral written test oral examination	se completion: n seminars esentation to the given topic
Learning outcomes: The main goal of the the special reference identification.	subject is to gain basic knowledge on the functioning of the soil system with to dominant systematic groups of the soil fauna, their ecology and taxonomic
Brief outline of the c The subject deals wit to the ecological fact specific habitat. Func- soil fauna with plant	ourse: the the soil as an ecological system and type of environment It is concentrated tors ruling the life in soil, soil-dwelling animals and their adaptations to this ectioning of the soil system and understanding of the principal interactions of rhizosphere and soil microflora are among the main goals of the discipline.
Recommended litera Coleman, D.C., Crost 1-205 Eisenbeis, G., Wichat Berlin, Germany, 1-4 Schaller, F. 1968: Soit 1-144 Wallwork, J. A., 1970 Wallwork, J. A., 1970	 ature: sley, D. A., 1996: Fundamentals of Soil Ecology. Academic Press, London, rd, W., 1987: Atlas on the Biology of Soil Arthropods. Springer- Verlag 37 il Animals. The University of Michigan Press, United States of America, D: Ecology of Soil Animals. McGraw- Hill, England, 1-283 6: The distribution and Diversity of Soil Fauna. Academis Press, London,
Course language:	

Notes:

Course assessment Total number of assessed students: 149							
A B C D E FX							
49.66	23.49	18.12	6.04	2.68	0.0		
Provides: RNDr. Natália Raschmanová, PhD.							
Date of last modification: 03.05.2015							
Approved:							

University: P. J.	Šafárik Univers	ity in Košice				
Faculty: Faculty	Faculty: Faculty of Science					
Course ID: ÚBE EVZ1/03): ÚBEV/ Course name: Ecology of Water Animals					
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 ECT	S credits: 6					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: II.						
Prerequisities:						
Conditions for a	course completi	on:				
Learning outcom Ecological chara	mes: acteristic of fresl	nwater groups and	d prevalent spec	ies - only Inverte	ebrata.	
Brief outline of Biology of the n temperate region	the course: nost common re n. Mohological a	presentatives and idaptations, taxar	l groups of fresh nomical characte	water animals of rs, water commu	f Central Europe nities.	
Recommended Fryer, G., Murpl District. Freshwa Bronsmark, Ch.,	Recommended literature: Fryer, G., Murphy, S.: A natural history of the lakes, tarns and streams of the English Lake District. Freshw. Biol. Association Cumbria, 1991 Bronsmark, Ch. Hannsson, L. A.: The biology of Lakes and ponds, Biol. Of Habitats Ser, 1998					
Course languag	e:					
Notes:						
Course assessm Total number of	Course assessment Total number of assessed students: 178					
А	В	С	D	Е	FX	
29.78	15.73	17.42	35.39	1.69	0.0	
Provides: doc. RNDr. Andrej Mock, PhD.						
Date of last modification: 03.05.2015						
Approved:	Approved:					

		COUR			21112 N		
University: P. J. Š	afárik	University i	n Košice				
Faculty: Faculty	of Scie	ence					
Course ID: ÚBE EKC1/00	V/ C	ourse name	: Ecology of	mammals			
Course type, scop Course type: Le Recommended o Per week: 1 / 1 1 Course method:	be and cture / course Per stu prese	l the method / Practice 2-load (hour udy period: nt	l: s): 14 / 14				
Number of ECTS	6 credi	its: 3					
Recommended se	emeste	er/trimester	of the cours	e: 4.			
Course level: II.,	III.						
Prerequisities:							
Conditions for co	ourse o	completion:					
Brief outline of the stand and ecology of some of the source of the sour	he cou mamm he cou ment. gy. Re nensal d we Oestr Indiv s. Mai ragmen patriat /ulnera	anthropoge al groups rse: Temperature eseources. Fe ism. Mutual bs. Teritoria rus. r- and P ridual. Popul mmal divers ntations. Syrtions, reintro- alble species.	e. Water. Sno bod. Food s ism. Kooper ality. Home K- strategy. ation. Natali ity. Island bi anthropy. Co ductions. Ex Minimal via	on mammal ow. Light. Ad trategies and ation. Comp range. Lel Monogamy, ty, mortality togeografy. Monservation of pansions. Gl able populati	aptations. Hy aptations. Hy approved specialista etion. Preda K. Metapopu polygamy. Kohorts. Po Macroecology of mammals. obal climate on.	ypothermy. I ions. Habita tor and prey ulations. Re Dispersion. opulation dy y. Gradients. Wind energ changes and	Hibernation Hibernation at and nika Mammal production Migration namics and Long-tern gy. Mammal d mammals
Feldhamer G., Dr and Ecology. Mc Vlasák P., 1986. I	ickam Graw I Ekolog	er L., Vessey Hill Hardbac gie cicavcu. A	v SH., Merrit k, 563 pp. Academia, Pr	t JF., 2000. N raha, 292 pp.	/lammalogy:	Adaptation,	Diversity
Course language	-						
Notes:							
Course assessme	nt						
Iotal number of a	ssesse	c students: 2	51 D	E	EV	N	р
A I I	2		ע ן	E	ГЛ		

Provides: doc. RNDr. Marcel Uhrin, PhD.

11.95

17.53

64.14

2.39

0.0

0.0

1.59

2.39

Date of last modification: 03.05.2015

Approved:

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚBE ETS1/03	Course na	me: Entomocen	oses of Slovakia		
Course type, sco Course type: La Recommended Per week: 1 / 2 Course method	pe and the met ecture / Practice course-load (he Per study period: present	hod: ours): od: 14 / 28			
Number of ECT	S credits: 5				
Recommended s	semester/trimes	ter of the cours	e: 2.		
Course level: II.					
Prerequisities:					
Conditions for c	ourse completi	on:			
Learning outcom	nes:				
Brief outline of t	the course:				
Recommended l	iterature:				
Course language	e:				
Notes:					
Course assessme Total number of	ent assessed studen	ts: 101			
A	В	С	D	Е	FX
60.4	23.76	12.87	0.99	0.0	1.98
Provides: doc. R	NDr. Ľubomír F	Panigaj, CSc.			l
Date of last mod	ification: 03.05	.2015			
Approved:					

University: P. J.	University: P. J. Šafárik University in Košice						
Faculty: Faculty	of Science						
Course ID: ÚBE ETO1/03	V/ Course na	ame: Ethology					
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 ECT	S credits: 6						
Recommended s	emester/trimes	ster of the cours	se: 1.				
Course level: II.							
Prerequisities:							
Conditions for c Thematical prese Oral examination	ourse completi entations n.	on:					
Learning outcom To teach the stu- biological scienc	nes: dents to know es	and to be aware	e of the importa	nce of the behav	ioural aspect in		
Brief outline of t History and deve simplest forms of Social behaviour animal migration behaviour. Abno	Brief outline of the course: History and development of ethology. Ethological methods. The innate forms of behaviour. The simplest forms of learning – conditioning and instrumental learning. Higher form of learning. Social behaviour. Sexual behaviour. Play behaviour. Biological rhythms. Orientation in space and animal migrations. Communication systems of animals. Emotions. Aggression in animal and human behaviour. Abnormal forms of behaviour						
Recommended literature: Franck, D.: Verhaltensbiologie. Einfuhrung in die Ethologie. Georg Thieme-Verlag, 1993 Manning, A., Dawkins, M. S.: An introduction to animal behaviour. Cambridge University Press, 1992							
Course language							
Notes:							
Course assessment Total number of assessed students: 1000							
A	В	С	D	Е	FX		
40.5	24.8	24.7	8.2	1.7	0.1		
Provides: RNDr.	Provides: RNDr. Igor Majláth, PhD., RNDr. Natália Pipová, PhD., RNDr. Terézia Kisková, PhD.						
Date of last modification: 16.05.2021							
Approved:							

University: P. J. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚBEV/ EB1/99Course name: Evolutionary Biology							
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 ECTS credits: 3							
Recommended semester/trimester of the course: 3.							
Course level: II.							
Prerequisities:							
Conditions for course completion: written test							
Learning outcomes: To understand the fundamentals of the theory of evolution, the evidence supporting contemporary views on the origin and evolution of living organisms on Earth and the mechanisms of evolution.							
Historical overview of evolutionary theories. The origin of life. Elements of evolution: mutations, population waves, and isolation. Natural selection. Molecular evolution. Adaptations and their classification. Concept of species. Macroevolution. Evolution of functions and organs, evolution of onthogeny. Phylogeny of animals. Evolutionary progress. Anthropogenesis. Plant diversity. Primary and secondary speciation of plants. Reproduction-isolation mechanisms. Hybridisation and introgression of plants. Polyploidy. Reproductive systems in plants.							
Recommended literature: Futuyama, D.J.: Evolutionary biology, Sinauer Associates, Sunderland, 3rd ed., 1997. Dobzhansky T. et al.: Evolution. San Francisco 1977.							
Course language:							
Notes:							
Course assessment Total number of assessed students: 589							
A B C D E FX							
12.56 23.6 24.28 24.45 13.41 1.7							
Provides: prof. RNDr. Pavol Mártonfi, PhD., prof. RNDr. Beňadik Šmajda, CSc., prof. RNDr. Eva Čellárová, DrSc.							
Date of last modification: 29.06.2021							
Approved:							

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: KF/ DF2p/03	Course na	Course name: History of Philosophy 2 (General Introduction)				
Course type, so Course type: D Recommended Per week: 2 / Course metho	cope and the met Lecture / Practice d course-load (h 1 Per study peri d: present	thod: ; ours): od: 28 / 14				
Number of EC	IS credits: 4					
Recommended	semester/trimes	ster of the cours	e:			
Course level: 1.	, II.					
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessn Total number o	nent f assessed studen	ts: 742				
А	В	С	D	Е	FX	
60.78	13.88	12.67	8.63	3.37	0.67	
Provides: Doc. Stojka, PhD.	PhDr. Peter Nezi	ník, CSc., PhDr. l	Katarína Mayero	vá, PhD., doc. M	gr. Róbert	
Date of last mo	dification: 25.03	3.2020				
Approved:						
University: P. J	. Šafári	ik Univers	ity in Košice			
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Faculty: Facult	y of Sc	eience				
Course ID: ÚB HDR1/99	Course ID: ÚBEV/ Course name: Hydrobiology HDR1/99					
Course type, sc Course type: 1 Recommended Per week: 1 / Course metho	cope an Lecture d cours l Per s d: pres	nd the met e / Practice se-load (h study perio sent	hod: ours): od: 14 / 14			
Number of EC	TS cre	dits: 3				
Recommended	semes	ster/trimes	ter of the cours	e: 1.		
Course level: I.	, II.					
Prerequisities:						
Conditions for	course	e completi	on:			
Learning outco	mes:					
Brief outline of Abiotic and bio eutrophycation,	the co tic facto pollut	ourse: ors of wate ion saprob	r environment; ty ity and evaluatio	pology and chann of habitats w	aracteristics of fres ith relation to abio	shwater habitats; otic factors.
Recommended Horn, A., Golda Wetzel, R.G.: L	literat man, C	ture: C.: Limnolc ogical anal	ogy. Mc Graw Hi yses. Springer Ve	ll. 2nd Edition, erl., 3rd Editior	, 1994 1, 2000	
Course languag	ge:					
Notes:						
Course assessm Total number o	nent f assess	sed studen	ts: 212			
А		В	С	D	Е	FX
39.62	2	21.23	18.4	19.34	1.42	0.0
Provides: doc.]	RNDr.	Andrej Mo	ock, PhD.		•	
Date of last mo	dificat	t ion: 03.05	.2015			
Approved:						

University: P. J.	. Šafárik Univers	ity in Košice					
Faculty: Faculty	y of Science						
Course ID: KF/ IH2/03	Course ID: KF/ IH2/03Course name: Idea Humanitas 2 (General Introduction)						
Course type, sc Course type: F Recommended Per week: 2 Po Course metho	ope and the met Practice I course-load (h er study period: d: present	thod: ours): 28					
Number of EC	FS credits: 2						
Recommended	semester/trimes	ster of the cours	e: 3.				
Course level: II							
Prerequisities:							
Conditions for	course completi	ion:					
Learning outco	mes:						
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		
90.0	10.0	0.0	0.0	0.0	0.0		
Provides: Doc.	PhDr. Peter Nezi	ník, CSc.			L		
Date of last mo	dification: 12.02	2.2021					
Approved:							

University: P. J.	Šafárik Univer	sity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚB IMU1/03	Course ID: ÚBEV/ Course name: Immunology IMU1/03						
Course type, sc Course type: I Recommended Per week: 2 Po Course method	ope and the me Lecture I course-load (l er study period d: present	ethod: nours): : 28					
Number of ECT	FS credits: 3						
Recommended	semester/trime	ester of the cours	e: 1.				
Course level: II	•						
Prerequisities:							
Conditions for Recognition. Oral examination	course complet	ion:					
Learning outco This course intr the role and im lessons is the pr comprehension responses.	mes: roduces the stu portance of in resentation of th of complex mo	dents to the basic munology in var ne organization ar plecular and cellu	c concepts of im rious human dis nd function of th lar interactions	munology as we eases. The aim e immune systen during the induc	ell as highlights of Immunology n, as well as the tion of immune		
Brief outline of Basic immunol Responses of In Recognition by Clinical immun Tumor Immuno	the course: ogy: Lymphati nate Immunity, B-cell and T-ce ology: Allergy logy, Disorders	c System Anator The Adaptive Imn Il Receptors, Anti and other Hypers of The Immune S	my, The Innate nune Response, A gen Presentation sensitivities, Aut System.	Immune Systen Antigens and Anti to T-lymphocyte coimmunity and 7	n, The Induced ibodies, Antigen es, Complement, Transplantation,		
Recommended Janeway Ch. A. Murphy, K. (20 Delves, P.J. et a	literature: , Travers P., Wa 12): Jeneway's l. (2011): Roitt'	lport M., Schlom Immunobiology. { s essential immun	chik M.: Immuno 8th ed. Garland S 10logy 12th ed W	obiology. Garland Science Viley-Blackwell	d Science, 2004		
Course languag	ge:						
Notes:							
Course assessm Total number of	Course assessment Total number of assessed students: 950						
А	В	С	D	Е	FX		
39.68	23.68	24.42	7.05	1.79	3.37		
Provides: RND	r. Vlasta Demeč	ková, PhD.					
Date of last mo	dification: 13.0	5.2021					

University:	P. J. Šafári	k University i	n Košice				
Faculty: Fa	culty of Sc	ience					
Course ID: UFCM/10	ÚBEV/	Course name:	Introduction	n to Flow Cy	tometry		
Course typ Course ty Recomme Per week: Course me	e, scope an pe: Lecture nded cours 1 / 2 Per s ethod: pres	d the method / Practice se-load (hours tudy period: ent	:: s): 14 / 28				
Number of	ECTS cree	dits: 4					
Recommen	ded semest	ter/trimester	of the cours	e: 1.			
Course leve	el: II., III.						
Prerequisit	ies:						
Conditions	for course	completion:					
The goal is The course practical ap Brief outlin 1.) Conditi 2.) Fluores data preser biology, zc phosphatid mitochondi Immunoph evaluation	to teach the will cover to pplications in the of the co ons for cor cence, type nation, gation pology and ylserine tra- trial membra enotyping.	students on II. theoretical bas n clinical diag urse: mpleting the of s of fluoresce ing strategy. 4 microbiology nslocation and ane potential a 12.) Flow cyto FlowJo softwa	stage some t es of fluores gnosis and sc course, comp ent devices, f 4.) Particles 5.) Cell sc d viability. 8 and activatio metry in bota re.	heoretical an cence, its det ientific resea bleting traini flow cytome size in flow orting. 6.) C c.) Compensa n of caspase any. 13.) DN.	d practical as tection, multi trch. ng in health ter. 3.) Prince cytometry, ell cycle and ation, spectra es. 10.) Detect A content and	and safety iple of flow flow cytom alysis. 7.) E viewer. 9.) ction of sten d genome siz	regulations. cytometry, cytometry, etry in cell Detection of Analysis of n cells. 11.) ce. 14.) Data
Recommen 1. H.M. Sh 2. A.L. Giv 3. J. Doleze 978-3-527-	ded literat apiro: Pract ran: Flow C el a kol.: Flo 31487-4)	ure: ical Flow Cyt ytomtery: Firs ow Cytometry	ometry, WIL st principles, with Plant C	EY-LISS, 20 WILEY-LIS Cells, Willey-	003. (ISBN:0 8S, 2001, (IS -VCH, 2007,)-471-41125 BN 0-471-22 (ISBN:	-6) 2394-8)
Course lan	guage:						
Notes:							
Course ass Total numb	essment er of assess	sed students: 1	64				
A	В	С	D	E	FX	N	Р
66.46	3.66	6.1	2.44	1.83	0.0	0.0	19.51

Provides: doc. RNDr. Rastislav Jendželovský, PhD., RNDr. Jana Vargová, PhD., Mgr. Vladislav Kolarčik, PhD.

Date of last modification: 20.07.2021

University: P. J. Šafárik University in Košice
Faculty: Faculty of Science
Course ID: ÚBEV/ MECV/16Course name: Metódy ekologického výskumu cicavcov
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present
Number of ECTS credits: 3
Recommended semester/trimester of the course: 2.
Course level: II.
Prerequisities:
Conditions for course completion:
Learning outcomes:
Brief outline of the course:
Recommended literature:
Course language:
Notes:
Course assessment Total number of assessed students: 0
A B C D E FX
0.0 0.0 0.0 0.0 0.0 0.0
Provides: doc. RNDr. Marcel Uhrin, PhD.
Date of last modification: 09.11.2016
Approved:

University:	P. J. Šafá	rik University in	n Košice					
Faculty: Fa	culty of S	cience						
Course ID: MZO1/03	Course ID: ÚBEV/ Course name: Molecular basis of ontogenetic development MZO1/03							
Course type Course type Recomment Per week: Course mo	e, scope a pe: Lectur nded cour 2 Per stu ethod: pre	nd the method e rse-load (hours dy period: 28 sent	:):					
Number of	ECTS cr	edits: 3						
Recommen	ded seme	ster/trimester	of the cours	2:				
Course leve	el: II., III.							
Prerequisit	ies:							
Conditions Oral examin	for cours	e completion:						
Learning of Acquiring of development	Learning outcomes: Acquiring of basic knowledge of principles and molecular-biological mechanisms of ontogenetic development of animal and plant organisms.							
Brief outlin Regulation developmen specialised of eukaryot body plan. organisms.	of the of the c of the ont nt. Cell d cell types. ic genes. I Establisht	ourse: ogenetic develo etermination an Epigenetic mec Regulatory gene ment of the ma	opment in eu nd differenti chanisms of c s. Establishr in axis of b	karyotic org ation. Mole ellular mem nent of cell j ody. Shape	ganisms. Prog ecular mecha lory. Imprintin position. Forr formation. C	gram of the onisms of fo ng. Combination of the Cloning of m	ontogenetic ormation of tory control embryonic nulticellular	
Recommen Gerhard,J.,J Massachuse	ded litera Kirschene ett,Oxford	ture: r,M.: Cells, Em [*] ,London,1997	bryos and Ev	volution. Bla	acwell Scienc	e Inc.,		
Course lang	guage:							
Notes:								
Course asse Total numb	essment er of asses	ssed students: 3	86					
А	В	C	D	Е	FX	Ν	Р	
36.27	21.24	11.66	15.03	8.81	5.7	0.0	1.3	
Provides: p	rof. RND	: Eva Mišúrová	, CSc., RND	r. Zuzana Je	endželovská,	PhD.		
Date of last	modifica	tion: 03.05.201	5					
Approved:								
L								

University: P. J. Š	afárik Univers	ity in Košice										
Faculty: Faculty of	Faculty: Faculty of Science											
Course ID: ÚBEV NATM/15	V/ Course na	ame: Neuroanato	omy									
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 3 Per study period: 28 / 42 Course method: present												
Number of ECTS	Number of ECTS credits: 5											
Recommended se	emester/trimes	ster of the cours	e: 2.									
Course level: I., I	I.											
Prerequisities:												
Conditions for co	urse completi	on:										
Learning outcom To provide the stu	es: idents with bas	ic knowledge, pr	inciples and func	ction of human ne	ervous system.							
Nervous System (and intrinsic pathy Diencephalon, Te System, Functiona pathway), (Sensor Optic Pathway, A	Introduction to neuroanatomy, development, classification of the Nervous System, dividing of the Nervous System (CNS and PNS), Spinal Cord and Spinal Nerves (structure, reflexes, gray matters and intrinsic pathways, Ascendig, Descending Tracts), Brain Stem and Cranial Nerves, Cerebellum, Diencephalon, Telencephalon, Limbic System, Cerebrospinal Fluid System, Vegetative Nervous System, Functional Systems (Motor systems - pyramidal tract, extrapyramidal Motor System, motor pathway), (Sensory system - pathway of Epicritic Senzibility, Pathway of Prothopatic Sensibility, Ontic Pathway Auditory Tret Vestibular Tract)											
Recommended literature: Kahle W., Leonhardt H., Platzer W.: Color Atlas and Textbook of Human Anatomy, Volume 3. Nervous System and Sensory Organs, 1993 Georg Thieme Verlag Stuttgart, New York Hendelman W.J.: Atlas of functional neuroanatomy CRC Press LLC, 2000 Kopf-Mäier P.: Wolf-Heideggers Atlas of Human Anatomy Kärger, 2000 Miklošová M.: Anátómia PF, UPJŠ, 2011, Equilibria Haines.D.E.: Neuroanatomy, Lippincott Williams, Wilkins, 2011												
Course language:												
Notes:												
Course assessmen	nt	ta: 140										
	R	C	D	E	FX							
11 49	13 51	24 32	21.62	15 54	13 51							
Provides: dog DN	IDr. Juroj Čova	$ \begin{array}{c} 2^{-1.52} \\ \end{array} $	já Šahaňa DhD	1 <i>J.J</i> -T	13.31							
Data of lost 1	figations 02.04	, r 11D., 1vigi. Kei	ic Scotlia, PliD.									
Date of last modi	iication: 03.03	0.2015			Date of last modification: 03.05.2015							

University:	P. J. Šafá	rik University i	n Košice				
Faculty: Fa	culty of S	cience					
Course ID: PAR2/03	ÚBEV/	Course name:	Parasitolog	y II			
Course typ Course typ Recomme Per week: Course me	e, scope a pe: Lectur nded cour 1 / 1 Per ethod: pre	nd the method e / Practice rse-load (hours study period: ssent	: 5): 14 / 14				
Number of	ECTS cro	edits: 3					
Recommen	ded seme	ster/trimester	of the cours	e: 2.			
Course leve	el: II., III.						
Prerequisit	ies:						
Conditions	for cours	e completion:					
Learning o	utcomes:						
Brief outlin	e of the c	ourse:					
Recommen	ded litera	ture:					
Course lang	guage:						
Notes:							
Course asso Total numb	essment er of asses	ssed students: 6	2				
А	В	С	D	Е	FX	N	Р
77.42	9.68	6.45	1.61	0.0	1.61	0.0	3.23
Provides: R	NDr. Vikt	tória Majláthov	á, PhD.	1			
Date of last	modifica	tion: 14.05.202	21				
Approved:							

University: P. J. Š	afárik Univers	ity in Košice							
Faculty: Faculty of	of Science								
Course ID: ÚBEV/ Course name: Plant Metabolism MR1/03									
Course type, scop Course type: Lea Recommended c Per week: 2 / 2 P Course method:	e and the me cture / Practice course-load (h Per study peri present	thod: ; ours): od: 28 / 28							
Number of ECTS	credits: 6								
Recommended se	mester/trimes	ster of the cours	se:						
Course level: II.									
Prerequisities:									
Conditions for co Examen	urse completi	on:							
Learning outcom To provide the st secondary metabo	es: udents with p lites	athways of bios	synthesis in plan	t and functions	of primary and				
Photosynthesis: s transport, photop plants. Synthesis transport and ATP Nitrogen metaboli assimilation and m of biosynthesis, pl	tructure of p hosphorylation of starch an synthesis. Lip ism: fixation, n hetabolism. Ter henylpropanes	hotosynthetic ap n. Calvin cycle d sucrose. Res id biosynthesis a nitrate assimilation penes: biosynthe , flavonoids and	oparatus, light a , rubisco and p piration: glycoly nd convertion int on, ammonium c esis and functions lignins. Alkaloid	bsorption, electro bhotorespiration. vsis, citric acid to carbohydrates. onversion to amin s. Phenolic compositions. Is. Mechanisms o	con and proton C4 and CAM cycle, electron Polyacetylenes. no acids. Sulfur ounds: pathways f plant defense.				
Recommended lit Lawlor D. W. Pho physiology. Fifth	erature: tosynthesis. T edition. Sinaue	hird edition. BIC er ass., Sunderlar	OS, Oxford 2001; nd 2010	Taiz L., Zeiger H	E., Plant				
Course language:									
Notes:									
Course assessmen Total number of a	nt ssessed studen	ts: 113							
A	В	С	D	Е	FX				
25.66	25.66 17.7 17.7 15.93 20.35 2.65								
Provides: doc. RN	IDr. Peter Pal'o	ove-Balang, PhD							
Date of last modif	fication: 21.02	2.2019							
Approved:									

University: P. J	. Šafárik Uni	versity in Košice					
Faculty: Facult	y of Science						
Course ID: ÚB IMUC1/03	Course ID: ÚBEV/ Course name: Practical in immunology IMUC1/03						
Course type, sc Course type: 1 Recommended Per week: 3 Pe Course metho	cope and the Practice d course-load er study peri d: present	method: d (hours): dod: 42					
Number of EC	TS credits: 3				-		
Recommended	semester/tri	mester of the cours	se: 1.				
Course level: II	-						
Prerequisities:	ÚBEV/IMU	/03					
Conditions for Recognition. Recognition.	course comp	letion:					
Learning outco The practical co to have technica	omes: ourse will foc al foundation	us on basic techniqu to suggest experime	ues and skills in ental analysis of	immunology lab some immunolo	oratories in order gical questions.		
Brief outline of Special immun relevant to the r response to inf organs. The stud of the results.	the course: ology practic research proje ection. Practi dents will lear	als cover common acts at the departmer cals also include a rn to perform immun	immunological at. The main aim study of the his ological experin	techniques as we is to understand stophysiology of nents, including c	ell as techniques the host immune animal immune critical evaluation		
Recommended Study materials	literature: provided by	teacher.					
Course languag	ge:						
Notes:							
Course assessm Total number o	ient f assessed stu	dents: 308					
А	В	C	D	Е	FX		
69.48	18.83	11.04	0.32	0.0	0.32		
Provides: RND	r. Vlasta Den	nečková, PhD.					
Date of last mo	dification: 1	3.05.2021					
Approved:							

University: P. J. Šafárik University in Košice
Faculty: Faculty of Science
Course ID: KPPaPZ/PPZMg/12 Course name: Psychology and Health Psychology (Master's Study)
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present
Number of ECTS credits: 4
Recommended semester/trimester of the course:
Course level: II.
Prerequisities:
Conditions for the continuous assessment during the semester: Active work (maximum 5 points, 2 absences are allowed). Preparation, presentation and discussion on a selected topic - max. 15 points. Written examination (maximum 30 points). Conditions for admission to the exam: min. 25 points. Conditions for the final assessment: Exam: written form (max. 50 points, min. 25 points) Conditions for successful completion of the course: participation in lessons, fulfillment of assignments and at least 66 points from the overall evaluation. Detailed information in the electronic bulletin board of the course in AIS2. The teaching of the subject will be realized by a combined method.
Learning outcomes: The student will understand the basic concepts and theories of health psychology, can explain salutogenic factors as well as the consequences of risk behavior related to health. He is able to apply the knowledge especially in the field of prevention of burnout syndrome and support of mental health in the work of a teacher.
Brief outline of the course:1 Introduction to health psychology2 Psychoimmunology3 Personality factors and health4 Social support as a protective factor in relation to health5 Subjective well-being6 Stress and stressful situations and ways to manage them7 Burnout syndrome8 Health-promoting behavior, mental hygiene9 Health risk behavior10 School as an important factor of health
Recommended literature: Křivohlavý, J.: Psychologie 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	irik University in Košice					
Faculty: Faculty of S	Science					
Course ID: ÚTVŠ/ ÚTVŠ/CM/13	Course ID: ÚTVŠ/ UTVŠ/CM/13Course name: Seaside Aerobic Exercise					
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 36s Course method: combined, present						
Number of ECTS cr	edits: 2					
Recommended seme	ester/trimester of the cours	e:				
Course level: I., II.						
Prerequisities:						
Conditions for cour Conditions for cours Attendance	se completion: e completion:					
Learning outcomes: Students will be pro- conditions actively a Students will acquire the aim to improve the	Learning outcomes: Students will be provided an overview of possibilities how to spend leisure time in seaside conditions actively and their skills in work and communication with clients will be improved. Students will acquire practical experience in organising the cultural and art-oriented events, with the aim to improve the stay and to create positive experiences for visitors.					
 Brief outline of the of Brief outline of the of Brief outline of the of Basics of seaside at Morning exercises Pilates and its app Exercises for the state Yoga basics Sport as a part of 17 Application of production of production of seas 	course: ourse: aerobics lication in seaside conditions pine leisure time jects of productive spending pple, elderly) side cultural and art-oriented	s of leisure time for different age and social groups d activities in leisure time				
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of asse	essed students: 41					
	abs	n				
	12.2 87.8					

Provides: Mgr. Agata Horbacz, PhD.

Date of last modification: 15.03.2019

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚB UBEV/VKKI//1	Trse ID: ÚBEV/ Course name: Selected topics in clinical immunology EV/VKKI//15				
Course type, so Course type: 1 Recommende Per week: 2 / Course metho	cope and the me Lecture / Practice d course-load (h 1 Per study period: present	thod: e nours): fod: 28 / 14			
Number of EC	TS credits: 5				
Recommended	semester/trime	ster of the cours	e:		
Course level: I	[
Prerequisities:					
Conditions for	course complet	ion:			
Learning outco	mes:				
Brief outline of	f the course:				
Recommended	literature:				
Course langua	ge:				
Notes:	,				
Course assessn Total number o	nent f assessed studer	nts: 43			
А	В	C	D	Е	FX
79.07	20.93	0.0	0.0	0.0	0.0
Provides: RND	r. Vlasta Demeč	ková, PhD.	<u>I</u>	<u>I</u>	<u>I</u>
Date of last mo	dification: 13.0	5.2021			
Approved:					

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: ÚBEV/ VKH1/03Course name: Selected topics in herpetology				
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: 2.				
Course level: II., III.				
Prerequisities:				
Conditions for course completion: Field excursion Oral examination.				
Learning outcomes: To broaden the knowledge of students on evolution, taxonomy, morphology, ecology and ecology of reptiles aquired before in the subject Zoology.				
Brief outline of the course: Systematical overview of amphibia and reptilia with a classification on species level. Phylogenetical development of amphibia and reptilia. Charcteristics of morphological and ecophysiological adaptations. Adaptaions on the significant abiotic and biotic factors (food, tepmerature, substrate, humidity, etc.). Selected aspects of population dynamics of some groups. Behavioral manifestations of amphibia and reptilia from a comparative aspect				
 Recommended literature: 1. BARUŠ V. a kol.: Reptiles-Reptilia (Fauna of the ČSFR),Prague, 1992 (in Czech) 2. BARUŠ V. a kol.: Amphibia (Fauna of the ČSFR). Prague,1992. (in Czech) 3. OLIVA O., HRABĚ S., LÁC J. : Vertebrates of Slovakia I. Bratislava, 1968 (in Slovak 4. ROČEK Z.: Studies in Herpetology. Praha, 1986. 5. ZWACH I. : Our species of amphibia and reptilia on the photograph. Prague,1990. 6. DIESENER G., REICHHOLF J.: Amphibia and reptilia. Bratislava,1997 				
Course language:				
Notes:				
Course assessment Total number of assessed students: 147				
A B C D E FX N P				
90.48 4.76 2.72 0.0 0.0 0.0 0.0 2.04				
Provides: RNDr. Igor Majláth, PhD., RNDr. Natália Pipová, PhD.				
Date of last modification: 16.05.2021				

University: P. J. Šafá	rik University in K	ošice		
Faculty: Faculty of S	cience			
Course ID: KPPaPZ/SPVKE/07	Course name: So Situations	Course name: Social-Psychological Training of Coping with Critical Life Situations		
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 EC18 cr		h a a a a a a a a a a a a a a a a a a a		
Course levels II	ster/trimester of t	ne course: 2.		
Course level: II.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	iture:			
Course language:				
Notes:				
Course assessment Total number of asses	ssed students: 126			
abs		n	Z	
97.62	97.62 2.38 0.0			
Provides: Mgr. Ondro	ej Kalina, PhD.			
Date of last modifica	tion: 11.02.2021			
Approved:				

University: P. J	. Šafárik Unive	rsity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚB EKP1/04	EV/ Course i	name: Soil Ecolog	3y			
Course type, sc Course type: 1 Recommender Per week: 2 / 2 Course metho	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 EC	FS credits: 5					
Recommended	semester/trim	ester of the cours	e: 1., 3.			
Course level: II	•					
Prerequisities:						
Conditions for active participa preparation of c semestral writte	course comple tion in the semi oral presentation en test	tion: nars n to the selected to	pic			
Learning outco The main goal of the organisms we existence and d	of the subject is with special emp evelopment of p	to understand soit hasis to the miner populations of the	l as a heterogeno al and organic co living biota.	ous substrate and e omponents of the s	environment for soil essential for	
Brief outline of The subject cov cycling and en microbial comm (decomposition	the course: vers characteriza hergy flow. It nunities, plant n , litter system, n	ation of componender deals with soil- boots, invertebrate hizosphere, drillo	tts of the soil env forming factors communities) a sphere, termitos	vironment, microc and processes, nd functioning of phere).	climate, nutrient soil organisms the soil system	
Recommended literature: Coleman D. C., Crossley D. A. jr.: Fundamentals of soil ecology. Academic Press, 1995 Dunger W., Fiedler H. J.: Methoden in Bodenbiologie. VEB Gustav Fischer Verlag, Jena, 1989 Lavelle P. Spain A. V.: Soil ecology. Kluwer Academic Publishers. Dordrecht-Boston-London, 2001						
Course languag	ge:					
Notes:						
Course assessm Total number of	Course assessment Total number of assessed students: 163					
А	В	С	D	Е	FX	
55.83	55.83 31.29 9.82 1.84 1.23 0.0					
Provides: RND	r. Peter Ľuptáči	k, PhD.				
Date of last mo	Date of last modification: 03.05.2015					

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVa/11	Course name: Sports Activities I.
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: con	nd the method: ce rse-load (hours): dy period: 28 mbined, present
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 1.
Course level: I., I.II.,	II.
Prerequisities:	
Conditions for cours Min. 80% of active p	e completion: articipation in classes.
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 Brief outline of the co Within the optional s University provides badminton, body form 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	ourse: 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

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:

Course language:

Notes:

Course asso Total numb	essment er of assesse	d students: 1	2859				
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
87.01	0.08	0.0	0.0	0.0	0.04	8.1	4.77
Provides: Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.							
Date of last modification: 13.05.2021							
Approved:							

University:	P. J. Šafárik	University i	n Košice				
Faculty: Fa	culty of Scie	ence					
Course ID: TVb/11	ÚTVŠ/ C	ourse name	: Sports Acti	vities II.			
Course typ Course tyj Recomme Per week: Course me	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: combined, present						
Number of	ECTS cred	its: 2					
Recommen	ded semeste	er/trimester	of the cours	e: 2.			
Course leve	el: I., I.II., II	•					
Prerequisit	ies:						
Conditions active partie	for course of cipation in c	completion: lasses - min.	80%.				
Learning o Sports activ They have enables stu improve.	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 outlin Within the University badminton, indoor foot In the first and particul physical co Last but no means of a In addition physical edithe premise	e of the cou optional sub provides fo body form, b ball, S-M sy two semeste larities of inc ndition, coo t least, the in special prog to these spo ucation train s of the facul	irse: ject, the Inst or students the bouldering, f stems, step a ers of the first dividual sport rdination abin nportant role ram of medic orts, the Inst ings with an a lty or University	itute of Phys he following loorball, yog erobics, table t level of ed s, motor skil ilities, physic of sports act cal physical e itute offers f attractive pro sity or compe	ical Education g sports action a, power yog e tennis, tenno ucation stude ls, game activities cal performant civities is to en- education to its for those who gram and org titions with n	on and Sport vities: aerob a, pilates, sw is, volleybal ents will mas vities, they w nce, and mor eliminate swi influence and o are interes ganises variou ational or int	s of Pavol Jo pics, aikido, vimming, boo l and chess. ster basic cha ill improve lo tor performa mming illite d mitigate un sted winter a us competition ternational pa	basketball, basketball, ly-building, aracteristics evel of their nce fitness. racy and by fitness. nd summer ons, either at articipation.
Recommended literature:							
Course lang	Course language:						
Notes:							
Course asso Total numb	essment er of assesse	ed students: 1	1675				
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
84.52	0.56	0.02	0.0	0.0	0.05	10.63	4.22

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

Date of last modification: 13.05.2021

University:	P. J. Šafárik	. University i	n Košice				
Faculty: Fa	culty of Scie	ence					
Course ID: TVc/11	ÚTVŠ/ C	ourse name:	: Sports Acti	vities III.			
Course typ Course tyj Recomme Per week: Course me	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: combined, present						
Number of	ECTS cred	its: 2					
Recommen	ded semeste	er/trimester	of the cours	e: 3.			
Course leve	el: I., I.II., II	•					
Prerequisit	ies:						
Conditions min. 80% o	for course of active part	completion: icipation in c	lasses				
Learning o Sports activ They have enables stu improve.	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 outlin Within the University badminton, indoor foot In the first and particul physical co Last but no means of a In addition physical ed the premise	e of the cou optional sub provides for body form, ball, S-M sy two semester larities of incondition, coo t least, the ir special prog to these spe- ucation train s of the facult	irse: ject, the Inst pr students the bouldering, f stems, step a ers of the first dividual sport protant role gram of medic orts, the Inst ings with an a lty or University	itute of Phys he following loorball, yog erobics, table t level of ed s, motor skil lities, physic of sports act cal physical e itute offers f attractive pro- sity or compe	ical Education g sports acti- a, power yog e tennis, tenn- ucation stude ls, game activ- cal performan- ivities is to e education to in for those who- gram and org titions with n	on and Sport vities: aerob a, pilates, sw is, volleybal ents will mas vities, they w nce, and more liminate swi influence and o are interest anises variou ational or interest	s of Pavol Jo bics, aikido, rimming, boo l and chess. ster basic cha ill improve lo tor performa mming illite d mitigate un ted winter a us competition	ozef Šafárik basketball, ly-building, aracteristics evel of their nce fitness. racy and by fitness. nd summer ons, either at articipation.
Recommen	Recommended literature:						
Course lang	guage:						
Notes:							
Course asso Total numb	essment er of assesse	ed students: 7	873				
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
88.8	0.05	0.01	0.0	0.0	0.03	4.08	7.04

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

Date of last modification: 13.05.2021

University:	P. J. Šafárik	University i	n Košice				
Faculty: Fa	culty of Scie	ence					
Course ID: TVd/11	Course ID: ÚTVŠ/ Course name: Sports Activities IV. Vd/11						
Course typ Course tyj Recomme Per week: Course me	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: combined, present						
Number of	ECTS credi	its: 2					
Recommen	ded semeste	er/trimester	of the cours	e: 4.			
Course leve	e l: I., I.II., II.						
Prerequisit	ies:						
Conditions min. 80% o	for course of active part	completion: icipation in c	elasses				
Learning o Sports activ They have enables stu improve.	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 outlin Within the University badminton, indoor foot In the first and particul physical co Last but no means of a In addition physical edi the premise	e of the cou optional sub provides fo body form, I ball, S-M sys two semeste larities of ind ondition, coo t least, the in special prog to these spo ucation train s of the facul	irse: ject, the Inst r students t bouldering, f stems, step a rs of the firs lividual sport rdination abi nportant role ram of medic orts, the Inst ings with an a ty or Univers	itute of Phys he following loorball, yog erobics, table it level of ed is, motor skil ilities, physic of sports act cal physical e itute offers f attractive pro sity or compe	tical Education g sports action a, power yog e tennis, tenno ucation stude ls, game activities cal performant tivities is to en- education to its for those who gram and orgetitions with n	on and Sport vities: aerob a, pilates, sw is, volleybal ents will mas vities, they w nce, and mo eliminate swi influence and o are interes ganises variou ational or interest	s of Pavol Jo pics, aikido, rimming, boo l and chess. ster basic cha ill improve lo tor performa mming illite d mitigate un ted winter a us competition ternational pa	basketball, basketball, ly-building, aracteristics evel of their nce fitness. racy and by fitness. nd summer ons, either at articipation.
Recommended literature:							
Course lang	Course language:						
Notes:							
Course asso Total numb	essment er of assesse	ed students: 5	5125				
abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
83.14	0.31	0.04	0.0	0.0	0.0	7.75	8.76

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

Date of last modification: 13.05.2021

University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of S	Faculty: Faculty of Science						
Course ID: ÚBEV/ BKB/20	Course name: Stem Cell Biology						
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	nd the method: re rse-load (hours): dy period: 28 esent						
Number of ECTS cr	edits: 4						
Recommended seme	ster/trimester of the course: 1., 3.						
Course level: II.							
Prerequisities:							
Conditions for cours	e completion:						
The aim of the course stem cells and about acquaint student with cells, as well as the h of stem cells and clir the course, together regenerative medicine	e is to ground students with basic knowledge about biology of hematopoietic the embryonic, adult and cancer stem cells. The purpose of the course is to regulation of self-renewal, proliferation, differentiation and plasticity of stem umoral factors involved in these processes. Moreover, the microenvironment nical use of cytokines and hematopoietic stem cells will be discussed during with the induced pluripotent stem cells and potential usage of stem cells in e.						
Brief outline of the c Stem cell, the feature investigation method of hematopoietic st Megakaryocyte-eryth stem cells, homing a factors regulating self factors and interleuking Embryonic, adult and Cancer stem-like cell	ourse: res of stem cells; Pluripotent/multipotent hematopoietic stem cells; The ls of stem cells, the models of functional organization of population tem cells, differentiation antigens; Myeloid hematopoietic stem cell; noid progenitor cells; Common lymphoid progenitor; Microenvironment of and mobilization of hematopoietic stem cells; Plasticity of stem cells and f-renewal, proliferation and differentiation; Cytokines, hematopoietic growth ns in hematopoiesis; Clinical use of cytokines and hematopoietic stem cells; l induced pluripotent stem cells and their potential in regenerative medicine; s.						
Recommended litera Farrar W.B.: Cancer & Majumder S.: Stem C Scatena R., Mordente +Business Media, LL Simmons A.: Hemato Company, Philadelph Yu J.S.: Cancer Stem +Business Media, LL Relevente é vedeelvé v	 Ature: Stem Cells. Cambridge University Press, 2010 Cells and Cancer. Springer Science+Business Media, LLC 2009 A., Giardina B.: Advances in Cancer Stem Cell Biology. Springer Science A. Combined Theoretical & Technical Approach, W.B. Saunders A. 1989 Cells. Methods and protocols. Humana Press, a part of Springer Science C 2009 						

Relevantné vedecké práce z uvedenej problematiky publikované v odborných časopisoch a dostupné v medzinárodných databázach (https://www.ncbi.nlm.nih.gov/pubmed/; https://

www.scopus.com/search/form.uri?display=basic; https://www.sciencedirect.com/), napr. Zakrzewski a kol., Stem cells: past, present, and future. Stem Cell Research & Therapy (2019), 10:68: https://doi.org/10.1186/s13287-019-1165-5

Batlle – Clevers, Cancer stem cells revisited. Nature medicine (2017), 23 (10): doi:10.1038/ nm.4409

Tweedel, The Adaptability of Somatic Stem Cells: A Review. Journal of Stem Cells and Regenerative Medicine (2017), 13(1)

Ferraro – Lo Celso. Adult stem cells and their niches. Adv Exp Med Biol. (2010), 695: 155–168. doi:10.1007/978-1-4419-7037-4_11

Course language:

Notes:

Total number of assessed students: 11

А	В	С	D	Е	FX	
27.27	0.0	0.0	27.27	36.36	9.09	
Provides: prof. RNDr. Peter Fedoročko, CSc., RNDr. Jana Vargová, PhD.						
Date of last modification: 05.02.2020						
Approved:						

University: P. J	University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science						
Course ID: ÚB SVK/01	EV/ Course n	Course name: Student Scientific Conference				
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present						
Number of ECTS credits: 4						
Recommended semester/trimester of the course: 2., 4.						
Course level: I., II.						
Prerequisities:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 289						
А	В	C	D	Е	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides:						
Date of last modification: 03.05.2015						
Approved:						

University P I Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚTVŠ/ LKSp/13	Course name: Summer Course-Rafting of TISA River				
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 36s Course method: present					
Number of ECTS credits: 2					
Recommended semester/trimester of the course:					
Course level: I., II.					
Prerequisities:					
Conditions for course completion: Conditions for course completion: Attendance Final assessment: Raft control on the waterway (attended/not attended)					
Learning outcomes: Learning outcomes: Students have knowled	edge of rafts (canoe) and their control on waterway.				
Brief outline of the course: Brief outline of the course: 1. Assessment of difficulty of waterways 2. Safety rules for rafting 3. Setting up a crew 4. Practical skills training using an empty canoe 5. Canoe lifting and carrying 6. Putting the canoe in the water without a shore contact 7. Getting in the canoe 8. Exiting the canoe 9. Taking the canoe out of the water 10. Steering a) The pry stroke (on fast waterways) b) The draw stroke 11. Capsizing 12. Commands					
Recommended literature:					
Course language:					
Notes:					

Course assessment Total number of assessed students: 153				
abs	n			
45.75	54.25			
Provides: Mgr. Dávid Kaško, PhD.				
Date of last modification: 18.03.2019				
Approved:				
University: P. J. Šafá	rik University in Košice			
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Faculty: Faculty of S	cience			
Course ID: ÚTVŠ/ KP/12	Course name: Survival Course			
Course type, scope a Course type: Practic Recommended cour Per week: Per stud Course method: course	nd the method: ce rse-load (hours): y period: 36s mbined, present			
Number of ECTS cr	edits: 2			
Recommended seme	ster/trimester of the course:			
Course level: I., II.				
Prerequisities:				
Conditions for cours Conditions for course Attendance Final assessment: cor	e completion: completion: ntinuous fulfilment of all tasks within the course			
Learning outcomes: Learning outcomes: Students will be far conditions as they wi and demanding situa course develops team require overcoming o	niliarized with principles of safe stay and movement in extreme natural ll obtain theoretical knowledge and practical skills to solve the extraordinary tions connected with survival and minimization of damage to health. The n work and students will learn how to manage and face the situations that of obstacles.			
 Brief outline of the c Brief outline of the c Lectures: 1. Principles of behave 2. Preparation and leat 3. Objective and subjic 4. Principles of hygic Exercises: 1. Movement in terrat 2. Preparation of imp 3. Water treatment and 	ourse: burse: viour and safety for movement and stay in unknown mountains adership of tour ective danger in mountains ne and prevention of damage to health in extreme conditions in, orientation and navigation in terrain (compasses, GPS) rovised overnight stay id food preparation.			
Recommended litera	ture:			
Course language:				
Notes:				

Course assessment Total number of assessed students: 393				
abs n				
44.53	55.47			
Provides: MUDr. Peter Dombrovský, Mgr. Ladislav Kručanica, PhD.				
Date of last modification: 15.03.2019				
Approved:				

University: P. J.	Šafárik Univers	sity in Košice				
Faculty: Faculty	of Science					
Course ID: ÚB UK/17	Course ID: ÚBEV/ Course name: Urbánna ekológia JK/17					
Course type, sc Course type: L Recommended Per week: 2 / 1 Course method	ope and the me Lecture / Practice I course-load (h Per study peri d: present	thod: cours): od: 28 / 14				
Number of EC	IS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: II	•					
Prerequisities:						
Conditions for a	course completi	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course language:						
Notes:	Notes:					
Course assessment Total number of assessed students: 21						
А	В	С	D	Е	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides: doc. RNDr. Marcel Uhrin, PhD.						
Date of last modification: 27.02.2017						
Approved:						

University P I	Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚB VMES/17	EV/ Course name: Vývinové a molekulárne mechanizmy v evolúcii stavovcov				
Course type, sc	ope and the met	hod:			
Course type: I	Lecture / Practice				
Recommended	l course-load (h	ours):			
Per week: 2 / 0) Per study perio	od: 28 / 0			
Course metho	a: present				
Number of ECT	FS credits: 2				
Recommended	semester/trimes	ter of the course	A • · •		
Course level: II					
Prerequisities:					
Conditions for a	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent fassessed studen	ts: 9			
Α	В	С	D	Е	FX
0.0	11.11	88.89	0.0	0.0	0.0
Provides: doc. F	RNDr. Martin Ku	ndrát, Ph.D.		<u>. </u>	1
Date of last mo	dification: 23.02	.2017			
Approved:					

· · · · · ·				
University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚBEV/ ZOG1/03	Course name: Zoogeography			
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: 6			
Recommended seme	ster/trimester of the course: 1.			
Course level: I., II.				
Prerequisities:				
Conditions for cours Active participation i Preparation of oral pr	n seminars. resentation to selected topic.			

Semestral written test.

Oral examination.

Learning outcomes:

The main goal of the subject is to get knowledge on the basic reasons of recent distribution of the animals on the Earth, zoogeographic regionalization of the Earth's surface and human influence on the faunal distribution in the history.

Brief outline of the course:

This course will review our current understanding of the patterns of animal distribution and the processes that influence distributions of species and their attributes. Zoogeography will integrate information on the historical and current ecology, genetics, and physiology of animals and their interaction with environmental processes (continental drift, climate) in regulating geographic distributions. The course will emphasize descriptive and analytical approaches useful in hypothesis testing in zoogeography and will illustrate applied aspects of zoogeography (e.g. refuge design in conservation).

Recommended literature:

Buchar, J., 1983: Zoogeografie. SPN Praha

Darlington, P.J., 1998: Zoogeography: The geographical distribution of animals. Krieger, USA Lomolino M.V., Brown J.H., Riddle B. R., 2005: Biogeography. Sinauer Associates, 1-845 Plesník, P., Zatkalík, F., 1996: Biogeografia. Vysokoškolské skriptá, PríFUK Bratislava

Course language:

Notes:

Course assessn Total number o	nent f assessed studen	ts: 948				
А	В	С	D	Е	FX	
23.95	23.31	24.26	18.78	7.91	1.79	
Provides: prof. RNDr. Ľubomír Kováč, CSc.						
Date of last modification: 05.10.2017						
Approved:						

University: P. J.	. Šafárik Univers	sity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚB ZFZ/14	EV/ Course na	Course name: Zoology and Animal Physiology				
Course type, sc Course type: Recommended Per week: Per Course metho	ope and the met d course-load (h r study period: d: present	thod: ours):				
Number of EC	TS credits: 4					
Recommended	semester/trimes	ster of the cours	e:			
Course level: II	- -					
Prerequisities: EB1/99,ÚBEV/	Prerequisities: ÚBEV/EFZ1/03,ÚBEV/MEB1/03,ÚBEV/IMU1/03,ÚBEV/ZOG1/03,ÚBEV/ EB1/99,ÚBEV/ETO1/03					
Conditions for	Conditions for course completion:					
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course language:						
Notes:						
Course assessm Total number of	nent f assessed studen	ıts: 60				
А	В	С	D	Е	FX	
33.33	31.67	23.33	10.0	0.0	1.67	
Provides:						
Date of last modification: 03.05.2015						
Approved:						