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122. Seminar for Bachelor Thesis I	
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127. Specialised German Language - Natural Sciences 1	
128. Sports Activities I	
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131. Sports Activities IV.	
132. Statistical Methods in Geography.	
133. Student Scientific Conference.	
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135. Students' Digital Literacy.	
136. Summer Course-Rafting of TISA River.	
137. Teachers' Support Groups	
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University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of S	Faculty: Faculty of Science						
Course ID: CJP/ Course name: Academic English PFAJAKA/07							
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28						
Number of ECTS cr	edits: 2						
Recommended seme	ster/trimester of the course:						
Course level: I.							
Prerequisities:							
1 test (13th week), no Presentation on chose Final evaluation- ave	ticipation, assignments handed in on time, 2 absences tolerated o retake.						
of their linguistic cor syntactic aspects, dev	students' language skills - reading, writing, listening, speaking, improvement npetence - students acquire knowledge of selected phonological, lexical and elopment of pragmatic competence - students can effectively use the language with focus on Academic English, level B2.						
Word-formation - aff abstract Selected aspects of E	English d its specific features and nouns demic writing, writing a paragraph, word-order, topic sentences						
M. McCarthy M., O' Zemach, D.E, Rumis Olsen, A. : Active Vo www.bbclearningeng	ncounters, CUP, 2002 E English for Scientists, CUP 2011 Dell F Academic Vocabulary in Use, CUP 2008 ek, L.A: Academic Writing, Macmillan 2005 Icabulary, Pearson, 2013						

Course langua English langua	ge: ge, level B2 acco	rding to CEFR.			
Notes:					
Course assessn Total number o	nent f assessed studen	ts: 416			
А	B C D E FX				
36.54	21.63	15.14	9.38	6.01	11.3
Provides: Mgr. Viktória Mária Slovenská					
Date of last modification: 20.09.2023					
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.					

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: KPE/ ALP/06	Course na	me: Alternative	Education		
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	tice urse-load (h tudy period:	ours):			
Number of ECTS					
Recommended sen	nester/trimes	ster of the course	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 327			
A B C D E FX					
69.42	25.08	2.75	0.61	0.31	1.83
Provides: Mgr. Beá	ta Sakalová,	doc. PaedDr. Rer	láta Orosová, Ph	D.	
Date of last modifi	cation: 12.03	.2024			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚBEV/ BZNm/22	Course ID: ÚBEV/ Course name: Animal Biology BZNm/22				
Course type, scope Course type: Recommended co Per week: Per st Course method: p	urse-load (h 1dy period: present				
Number of ECTS	credits: 2				
Recommended sen	nester/trimes	ster of the cours	e:		
Course level: I.					
Prerequisities: ÚB ÚBEV/ZOO1/15) a				PMZ/10 and (ÚB)	EV/ZOO1/03 or
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of as		ts: 10			
Α					
0.0	30.0	40.0	20.0	10.0	0.0
Provides:					
Date of last modifi	cation: 15.05	5.2023			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

Faculty: Faculty of Science

Course ID: ÚBEV/	Course name: Animal Physiology
FZ1/10	

Course type, scope and the method:

Course type: Lecture / Practice

Recommended course-load (hours): Per week: 3 / 3 Per study period: 42 / 42

Course method: present

Number of ECTS credits: 7

Recommended semester/trimester of the course: 6.

Course level: I.

Prerequisities: ÚBEV/HIS1/15 or ÚBEV/HISE1/15

Conditions for course completion:

Active participation on practicals.

Passing the test in recognition of microscopical preparations (min. 50% of correct identification and description)

Passing the final examination of knowledge and practical skills from the content of practicals. Oral examination.

Learning outcomes:

To provide students with basic knowledge on the physiological processes in animals on different levels of the phylogenesis. Learn the principles of their control, aimed to secure the inner integrity of the animal and to its adaptation to the environment. To point out the unity of the structure (on the molecular, cellular, tissue and organ levels) and of the functions of the body.

Brief outline of the course:

- 1. Basic physiological principles. Homeostatic mechanisms.
- 2. Physiology of blood and hemopoetic organs.
- 3. Physiology of respiration.
- 4. Thermoregulation.
- 5. Physiology of cardio-vascular system.
- 6. Physiology of the gastro-intestinal system.
- 7. The functions of the liver.
- 8. Physiology of nutrition and the energetic metabolism. The water and mineral household.
- 9. General neurophysiology.
- 10. Sensory and motoric functions of the nervous system. Associative functions of the brain.
- 11. Physiology of excretion. The work of the muscles.
- 12. Sensory physiology.
- 13. Hormonal regulation. Physiology of reproduction.
- 12. Sensory physiology.

Recommended literature:

Varder, A. J., Sherman, J. H., Luciano, D. S.: The mechanisms of body functions, McGraw-Hill, 1990

Schmidt, R. F., Thews, G.: Human Physiology, Springer-Verlag, 1989

R.W.Hill, R.Wyse, M.Anderson : Animal Physiology, Sinauer Assoc., 2008

R.W.Hill, R.Wyse, M.Anderson : Animal Physiology, Sinauer Assoc., 2008					
Course languag	ge:				
Notes:					
Course assessment Total number of assessed students: 1583					
А	A B C D E FX				
8.91	16.49	21.92	23.75	23.06	5.87
Provides: doc. RNDr. Monika Kassayová, CSc., prof. RNDr. Beňadik Šmajda, CSc., doc. RNDr. Bianka Bojková, PhD., RNDr. Vlasta Demečková, PhD., univerzitná docentka, RNDr. Terézia Kisková, PhD., RNDr. Natália Pipová, PhD.					
Date of last modification: 21.10.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.					

University: P. J. Šafa	árik University in Košice			
Faculty: Faculty of S	Science			
Course ID: ÚGE/ BKP/14				
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	urse-load (hours): dy period: resent			
Number of ECTS c				
	ester/trimester of the cours	2: 5.		
Course level: I.				
Prerequisities:				
Conditions for course completion:				
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of asse	essed students: 115			
abs n				
97.39 2.61				
Provides:				
Date of last modific	ation: 03.05.2015			
Approved: prof. Mg	r. Jaroslav Hofierka, PhD., d	oc. RNDr. Peter Pristaš, CSc.		

University: P. J. Šafá	rik University in Koš	ice		
Faculty: Faculty of S	cience			
Course ID: ÚBEV/ BKP/14	5			
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period:			
Number of ECTS cr	edits: 2			
Recommended seme	ster/trimester of the	course: 5.		
Course level: I.				
Prerequisities:				
Conditions for cours Submission of the basupervisor.	-	fense of the project and acceptance of its content by the		
Learning outcomes:				
Brief outline of the o	ourse:			
Recommended liter 1. Scientific papers r rector UPJS in Košic	elated to the topic of	the bachelor project. 2. Directive No. 1/2011 of the		
Course language:				
Notes:				
Course assessment Total number of asse	ssed students: 193			
	abs	n		
	100.0	0.0		
Provides:				
Date of last modifica	tion: 02.03.2022			
Approved: prof. Mg	. Jaroslav Hofierka. F	PhD., doc. RNDr. Peter Pristaš, CSc.		

University: P. J. Šafá	rik University in Koš	ice
Faculty: Faculty of S	cience	
Course ID: ÚBEV/ BKP2/22	Course name: Bach	elor Project 2
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	rse-load (hours): ly period:	
Number of ECTS cr		
Recommended seme	ster/trimester of the	course: 6.
Course level: I.		
Prerequisities:		
Conditions for cour Submission of the ba supervisor.	-	fense of the project and acceptance of its content by the
Learning outcomes:		
Brief outline of the o	course:	
Recommended liter 1. Scientific papers r rector UPJS in Košic	elated to the topic of t	the bachelor project. 2. Directive No. 1/2011 of the
Course language:		
Notes:		
Course assessment Total number of asse	ssed students: 25	
	abs	n
	100.0	0.0
Provides:		
Date of last modific:	ntion: 02.03.2022	
Approved: prof. Mg	. Jaroslav Hofierka P	PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Šaf	ărik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ SPB1/21	Course na	me: Bachelor Th	nesis Project Ser	ninar 1	
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: p	tice urse-load (h tudy period:	ours):			
Number of ECTS c	redits: 3				
Recommended sem	ester/trimes	ster of the course	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes					
Brief outline of the	course:				
Recommended liter	rature:				
Course language:					
Notes:					
Course assessment Total number of ass	essed studen	ts: 34			
A	В	С	D	Е	FX
85.29	8.82	5.88	0.0	0.0	0.0
Provides: prof. Mgr	. Jaroslav Ho	ofierka, PhD., doo	c. Mgr. Ladislav	Novotný, PhD.	1
Date of last modific	cation: 27.06	0.2022			
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. S	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE SPB2/21	Course na	me: Bachelor T	hesis Project Ser	ninar 2	
Course type, sco Course type: Pr Recommended Per week: 2 Per Course method	actice course-load (h • study period:	ours):			
Number of ECT	S credits: 3				
Recommended se	emester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	he course:				
Recommended li	terature:				
Course language	•				
Notes:					
Course assessme Total number of a		ts: 21			
Α	В	С	D	Е	FX
71.43	23.81	4.76	0.0	0.0	0.0
Provides: prof. M Onačillová, PhD.	lgr. Jaroslav Ho	ofierka, PhD., do	c. Mgr. Ladislav	Novotný, PhD.,	Mgr. Katarína
Date of last mod	ification: 27.06	5.2022			
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty of	of Science				
Course ID: ÚGE/ BPO/14	Course na	me: Bachelor Th	nesis and its Defe	ence	
Course type, scop Course type: Recommended of Per week: Per s Course method:	course-load (h tudy period: present				
Number of ECTS					
Recommended se	mester/trimes	ter of the course	2.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcom	es:				
Brief outline of th	ne course:				
Recommended lit	terature:				
Course language:					
Notes:					
Course assessmer Total number of a		ts: 185			
A	В	С	D	Е	FX
37.3	28.65	16.76	8.65	8.11	0.54
Provides:		I		1	
Date of last modi	fication: 07.12	.2021			
Approved: prof. N	Mgr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty o	of Science				
Course ID: ÚBEV BPO/14	// Course na	me: Bachelor Th	nesis and its Def	ence	
Course type, scop Course type: Recommended c Per week: Per st Course method:	ourse-load (h tudy period: present				
Number of ECTS	credits: 4				
Recommended set	mester/trimes	ster of the course	2:		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcome	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 350			
A	В	С	D	Е	FX
52.29	26.86	16.0	3.14	1.71	0.0
Provides:				·	
Date of last modif	fication: 07.12	2.2021			
Approved: prof. N	/Igr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

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

Course ID: ÚCHV/	Course name: Basic Chemistry
ZAC2/10	

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 credits: 6

Recommended semester/trimester of the course: 1.

Course level: I.

Prerequisities:

Conditions for course completion:

1. Participation in lectures and seminars.

2. Activity at seminars. The student must have mastered the theory of the lecture that will be discussed at the seminar.

3. Exam: test in inorganic chemistry (max. 50 p, min. 26 p) and test in organic chemistry (max. 50 p, min. 26 p).

4. The rating scale is determined as follows: A (100-91%), B (90-81%), C (80-71%), D (70-61%), E (60-51%), Fx (50- 0%).

Learning outcomes:

The main goal of this subject is to provide a basic overview of general, inorganic and organic chemistry for biology students.

Brief outline of the course:

Introduction to general and inorganic chemistry. Periodic systems of elements and periodicity. Atomic structure. Electron configuration, Chemical bonds. Relationship between structure and properties of substances. Transition and non transition elements and their compounds. Coordination and biocoordination compounds. Basic chemical calculations and balancing of chemical equations. Elements essential for living organisms and their function. Biometals. Biominerals. Introduction to organic chemistry. Saturated and unsaturated hydrocarbons and their derivatives. Heterocyclic compounds. Carbohydrates. Lipids. Aminoacids and proteins. Enzyms and vitamins. Nucleic acids.

Recommended literature:

1. Mária Reháková, Základy chémie pre biológov, časť anorganická chémia. Interný učebný text. PF UPJŠ, Košice 2012.

2. P. Segl'a, I. Potočňák, V. Jorík, J. Švorc, M. Tatarko, Anorganická chémia: Základy anorganickej chémie, 2020.

3. J. Krätsmár-Šmogrovič kolektív, Všeobecná a anorganická chémia, Osveta, 2007.

4. Hrnčiar P.: Organická chémia, UK Bratislava 1997.

Course language:

SK - slovak

Notes:

The subject is carried out in person or, if necessary, remotely using the online platform Big Blue Button (BBB) or MS Teams. The form of teaching is specified by the teacher at the beginning of the semester and updated continuously.

Course	asses	sment	

Total number of	f assessed studen	ts: 1218			
А	В	С	D	Е	FX
22.25	24.88	26.68	15.93	9.28	0.99
Dravidage dag	NDr Mária Vill	rová DhD doo	DNDr Mircelau	Almáši DhD	

Provides: doc. RNDr. Mária Vilková, PhD., doc. RNDr. Miroslav Almáši, PhD.

Date of last modification: 16.08.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ KAR/05	Course na	me: Basics of K	arstology and Sp	peleology	
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	etice ourse-load (ho tudy period: present	ours):			
Number of ECTS					
Recommended sen	nester/trimes	ter of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of as		ts: 226			
A	В	С	D	E	FX
77.88	15.04	5.31	0.0	1.77	0.0
Provides: RNDr. A	lena Gessert,	PhD., univerzitn	á docentka		
Date of last modifi	cation: 27.08	.2020			
Approved: prof. M	gr. Jaroslav H	lofierka, PhD d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	afárik Univers	ity in Košice			
Faculty: Faculty of	f Science				
Course ID: ÚGE/ ZKAR/21	Course na	me: Basics of K	arstology and Sp	oeleology	
Course type, scope Course type: Lec Recommended co Per week: 1 / 1 P Course method: 1	ture / Practice ourse-load (h er study perio	ours):			
Number of ECTS	credits: 3				
Recommended ser	nester/trimes	ster of the cours	e: 4.		
Course level: I., II					
Prerequisities:					
Conditions for cou	ırse completi	on:			
Learning outcome	es:				
Brief outline of the	e course:				
Recommended lite	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 11			
Α	В	С	D	Е	FX
45.45	18.18	18.18	18.18	0.0	0.0
Provides: RNDr. A	lena Gessert,	PhD., univerzitn	á docentka, doc.	Ing. Katarína Bó	onová, PhD.
Date of last modif	ication: 20.02	2.2023			
Approved: prof. M	lgr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

Faculty: Faculty of Science Course ID: ÚBEV/ BDD/05 Course type, scope and the method: Course type, scope and the method: Course type, Lecture / Practice Recommended course-load (hours): Per week: 2 / 0 Per study period: 28 / 0 Course method: present Number of ECTS credits: 2 Recommended semester/trimester of the course: 4., 6. Course level: 1. Prerequisities: Conditions for course completion: Written test Vertice and the method: course: 4., 6. Conse level: 1. Prerequisities: Conse completion: Written test Vertice and physiological knowledge about individual o systems of the human body with a focus on the specifics of childhood and adolescence. F With developmental and growth characteristics and with the most common diseases in the of ontogenesis. Brief outline of the course: Brief outline of the course: Human ontogenesis. Postnatal development. Age specific features of skeletal and circulatory, respiratory, gastrointestinal and urinary systems. Reproductive system. system. Nervous system. Age specifics of selected diseases and drug dependence aris population and environment. Recommended literature: Drobn's L., Drobná M.: Biológia det'a'a pre špeciálnych pedagógov I. a II. Bratislava, P 2000 <th></th>	
BDD/05 Course type, scope and the method: Course type; Lecture / Practice Recommended course-load (hours): Per week: 2 / 0 Per study period: 28 / 0 Course method: present Number of ECTS credits: 2 Recommended semester/trimester of the course: 4., 6. Course level: 1. Prerequisities: Prerequisities: Conditions for course completion: Written test Learning outcomes: Acquisition of basic morphological and physiological knowledge about individual o systems of the human body with a focus on the specifics of childhood and adolescence. F Brief outline of the course: Brief outline of the course: Human ontogenesis. Bostnatal development. Age specific features of skeletal and circulatory, respiratory, gastrointestinal and urinary systems. Reproductive system. system. Nervous system. Age specifics of selected diseases and drug dependence aris population and environment. Recommended literature: Drobná M.: Biológia dicťaťa pre špeciálnych pedagógov I. a II. Bratislava, P 2000 Lipková V.: Somatický a fyziologický vývoj dieťaťa. Osveta Bratislava, 1980 Malá H., Klementa J.: Biológia dicťaťa pre špeciálnych pedagógov I. a II. Bratislava, P 2000 Lipková V.: Somatický a fyziologický vývoj dieťaťa. Osveta Bratislava, 1980 Malá H., Klementa J.: Biológia dicťaťa pre špeciálnych pedagógov I. a II. Bratislava, P 2000 Lipková V.: Somatický a fyziologický vývo	
Course type: Lecture / Practice Recommended course-load (hours): Per week: Per week: 2 / 0 Per study period: 28 / 0 Course method: present Number of ECTS credits: 2 Recommended semester/trimester of the course: 4., 6. Course level: Image: Course level: Prerequisities: Conditions for course completion: Written test Course of basic Course of basic morphological and physiological knowledge about individual o systems of the human body with a focus on the specifics of childhood and adolescence. F Written test Course of the course: Course of the course in the of ontogenesis. Brief outline of the course: Human ontogenesis. Postnatal development. Age specific features of skeletal and circulatory, respiratory, gastrointestinal and urinary systems. Reproductive system. system. Nervous system. Age specifics of selected diseases and drug dependence aris population and environment. Recommended literature: Drobný I., Drobná M.: Biológia dieťaťa pre špeciálnych pedagógov I. a II. Bratislava, P 2000 Lipková V.: Somatický a fyziologický vývoj dieťaťa. Osveta Bratislava, 1980 Malá H., Klementa J.: Biológia detí a dorastu. Bratislava, SPN, 1989 Course language: Notes: Course assessment Total number of assessed students: 1757 A B C D E	
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Conditions for course completion: Written test Learning outcomes: Acquisition of basic morphological and physiological knowledge about individual o systems of the human body with a focus on the specifics of childhood and adolescence. F with developmental and growth characteristics and with the most common diseases in the of ontogenesis. Brief outline of the course: Human ontogenesis. Postnatal development. Age specific features of skeletal and circulatory, respiratory, gastrointestinal and urinary systems. Reproductive system. system. Nervous system. Age specifics of selected diseases and drug dependence aris population and environment. Recommended literature: Drobný I., Drobná M.: Biológia dieťaťa pre špeciálnych pedagógov I. a II. Bratislava, P 2000 Lipková V.: Somatický a fyziologický vývoj dieťaťa. Osveta Bratislava, 1980 Malá H., Klementa J.: Biológia detí a dorastu. Bratislava, SPN, 1989 Course language: Notes: Course assessment Total number of assessed students: 1757 A B C D E 31.59 24.08 18.16 16.62 9.05	
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Recommended literature: Drobný I., Drobná M.: Biológia dieťaťa pre špeciálnych pedagógov I. a II. Bratislava, P 2000 Lipková V.: Somatický a fyziologický vývoj dieťaťa. Osveta Bratislava, 1980 Malá H., Klementa J.: Biológia detí a dorastu. Bratislava, SPN, 1989 Course language: Notes: Course assessment Total number of assessed students: 1757 A B C D E 31.59 24.08 18.16 16.62 9.05	d muscalar, Endocrine
Notes: Course assessment Total number of assessed students: 1757 A B C D E 31.59 24.08 18.16 16.62 9.05	PdF UK,
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Total number of assessed students: 1757 A B C D E 31.59 24.08 18.16 16.62 9.05	
31.59 24.08 18.16 16.62 9.05	
Provides: doc. RNDr. Monika Kassavová. CSc.	FX
• • • • • • • • • • • • • • • • • • •	FX 0.51
Date of last modification: 20.04.2022	

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ BS1/03	Course name: Biostatistics
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	e / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cro	edits: 6
Recommended seme	ster/trimester of the course: 3., 5.
Course level: I.	
Prerequisities:	
Passing the continual	n practicals, including successful solving of the assigned numerical examples.
-	ts with knowledge on basic principles of statistic methods used in biology and ation in statistical evaluation of experimental results, and with the principles riments, as well.
 2.Basic principles of t and variability of data 3. Theoretical and em 4. Reliability of estim 5. Statistical sampling 6. One-way and mult 7. Regression analysi 8. Correlations. 9. Non-parametrical m 10. Design and planm 11. Aanalysis of time 12. Analysis of qualit 	tical background of biostatistics. he probability theory. Descriptive statistics: variables, measures of mean value a. ppirical distributions. Experimental sampling from the normal distribution. nations. Testing of hypotheses. I and IItype errors. g. Comparison of two groups. iple analysis of variance. Tests for multiple comparisons. s. methods. ing of biological experiments. series.
Snedecor, G.W., Coch	rstanding biostatistics. Mosby Year Book, 1991 ran,W.G.: Statistical methods. The Iowa state university, Ames, 1972. M.Hernandez: Biostatistics. A guide to design, analysis and dicovery.
Course language:	

Notes:					
Course assessn Total number o	nent f assessed studen	ts: 279			
А	В	С	D	Е	FX
4.66	9.68	20.79	24.37	31.18	9.32
Provides: prof.	RNDr. Beňadik	Šmajda, CSc.	•		
Date of last mo	dification: 21.10	0.2021			
Approved: prot	f. Mgr. Jaroslav H	Iofierka, PhD., c	loc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚBEV/ BO1/03	Course na	ame: Botany I			
Course type, scope Course type: Lect Recommended co Per week: 2 / 2 Pe Course method: p	ure / Practice urse-load (h er study peri	e ours):			
Number of ECTS	credits: 5				
Recommended sen	nester/trimes	ster of the cours	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:	,				
Course assessment Total number of ass		ts: 1899			
A	В	С	D	Е	FX
14.01	19.64	25.59	20.12	18.22	2.42
Provides: prof. RN Sabovljević, Dr. rer.				Goga, PhD., prof	. Marko
Date of last modifi	cation: 05.11	.2021		_	
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚBEV/ BO1/15	Course na	ame: Botany I			
Course type, scope Course type: Lect Recommended co Per week: 2 / 2 Pe Course method: p	ure / Practice urse-load (h er study peri	e ours):			
Number of ECTS	credits: 4				
Recommended sen	nester/trimes	ster of the cours	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:				_	
Course assessment Total number of ass		ts: 348			
A	В	С	D	Е	FX
22.41	19.83	23.85	19.83	12.36	1.72
Provides: prof. RN Sabovljević, Dr. rer.				Goga, PhD., prof	. Marko
Date of last modifi	cation: 04.11	.2021			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	afárik Universi	ty in Košice			
Faculty: Faculty o	f Science				
Course ID: ÚBEV BOT1/03	// Course na	me: Botany II			
Course type, scop Course type: Lec Recommended co Per week: 2 / 2 P Course method:	eture / Practice ourse-load (ho er study perio	ours):			
Number of ECTS	credits: 5				
Recommended ser	mester/trimest	ter of the cour	-se: 2.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completio	on:			
· Learning outcome	es:				
-					
Brief outline of th	e course:				
Recommended lite Mártonfi P.: Syster Judd W. S., Campl A phylogenetic Ap Simpson M. G.: Pl Dostál J., Červenk	matika cievnaty bell Ch. S., Kel pproach, 4th ed lant Systematic	llogg E. A. & S Sinauer Ass s Elsevier -	Stevens P. F., Don sociates, Sunderla Academic Press, 2	oghue M. J.: Plan nd, 2016. 2019.	nt Systematics.
Course language:					
Notes:					
Course assessmen Total number of as		s: 1522			
Α	В	С	D	Е	FX
10.91	12.55	16.95	20.04	24.9	14.65
Provides: prof. RN Mgr. Zuzana Chlip			gr. Vladislav Kola	arčik, PhD., univ	erzitný docent,
	.	2021			
Date of last modif	ication: 29.10.	2021			

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚBE [*] BOT1/15	EV/ Course name: Botany II				
Course type, scop Course type: Le Recommended Per week: 2 / 2 1 Course method:	cture / Practice course-load (h Per study peri	e ours):			
Number of ECTS	S credits: 4				
Recommended se	emester/trimes	ster of the cour	se: 2.		
Course level: I.					
Prerequisities: Ú	BEV/TCB1/03				
Conditions for co	ourse completi	on:			
Learning outcom	les:				
Brief outline of t	ne course:				
Judd W. S., Camp A phylogenetic A Simpson M. G.: H	ematika cievna bell Ch. S., Ke pproach, 4th e Plant Systemati	ellogg E. A. & S d Sinauer Ass cs Elsevier - A	tevens P. F., Dor ociates, Sunderla Academic Press,	· ·	t Systematics.
Course language	:				
Notes:					
Course assessme Total number of a		ts: 383			
A	В	С	D	Е	FX
14.88	18.28	28.98	20.63	11.23	6.01
Provides: prof. R	NDr. Pavol Má	rtonfi, PhD., M	gr. Vladislav Kol	larčik, PhD., unive	erzitný docent
Date of last modi	fication: 29.10	0.2021			

University: P. J. Šaf	ărik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚGE/ KAG/15	Course name: Cartography and Geoinformatics	
Course type, scope Course type: Lectu Recommended cou Per week: 2 / 2 Per Course method: pr	ure / Practice urse-load (hours): r study period: 28 / 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the course: 1.	
Course level: I.		
Prerequisities:		

Conditions for course completion:

During the semester it is necessary to pass out the work outputs from the exercises. The knowledge gained on the exercises will be verified by continuous written examinations. The number of work outputs and written examinations will be announced at the beginning of the semester. It is possible to obtain 30% of the assessment criteria for the exercise (work outputs and written examinations). The final evaluation of the exercises is determined by the instructor of the subject based on the completion of tasks in the exercises during the semester. The final evaluation of the study subject is based on the combination of the evaluation conditions from the exercise and the final exam. The final exam may be enrolled by a student who has fulfilled the requirements for attending the exercises and who achieves a raiting of at least minimum 16 % in evaluation in exercises. The final exam (70 %). Credits are awarded only to a student who achieves rating at least at the grade level of E, i.e. he achieves the raiting of at least 51 %. Credits will not be awarded to a student who does not meet the requirements of the exercise and the exam is rated FX. Rating scale: A (100-91%), B (81-90%,) C (71-80%), D (61-70%), E (51-60%).

Learning outcomes:

The main learning outcomes include theoretical and practical skills in cartography and geoinformatics. Students understand cartographic and GIS terminology, students can apply cartographic approaches and methods using GIS, projections and define the content and composition of maps in GIS. The student masters the design, use and evaluation of the properties of cartographic representations in various geoinformatics applications.

Brief outline of the course:

Cartography - the branch of science, position in the system of sciences, the history of cartography, topographic mapping in Slovakia; Cartographic projects, cartographic interpretation; Description maps, geographical names, cartographic generalization, State map series; Cartometry and morphometry; Mathematical cartography (reference area map projection and distortion).

Geoinformatics – the branch of science, elements of GIS, digital representation of landscape, raster and vector data, data collection and processing data for GIS, geospatial database, visualization and cartographic representation using GIS, applications of GIS.

Recommended literature:

HOFIERKA, J., J. KAŇUK, M. GALLAY, 2014. Geoinformatika. Košice: Univerzita Pavla Jozefa Šafárika v Košiciach. ISBN 978-80-8152-178-2.

HOJOVEC, V. et al., 1987. Kartografie. Praha: Geodetický a kartografický podnik v Praze. ISBN 29-621-87.

LONGLEY, P.A., M. GOODCHILD, D. J. MAGUIRE, D. W. RHIND, 2010. Geographic Information Systems and Science. 3rd ed. Hoboken: Wiley & Sons, ISBN 978-0-470-72144-5. PRAVDA, J., D. KUSENDOVÁ, 2004. Počítačová tvorba tematických máp. Bratislava: Univerzita Komenského v Bratislave. ISBN 80-223-2011-0.

ROBINSON, A. H. et al., 1995. Elements of Cartography. 6th ed. Hoboken: Wiley & Sons. ISBN 0-471-55579-7.

VOŽENÍLEK, V. et al., 2011. Metody tematické kartografie - Vizualizace prostorových jevů. Olomouc: Univerzita Palackého v Olomouci. ISBN 978-80-24427-90-4.

Course language:

Slovak

Notes:

withot notes

Course assessment

Total number of assessed students: 425

А	В	С	D	Е	FX
15.29	21.65	20.94	19.29	18.12	4.71

Provides: doc. RNDr. Ján Kaňuk, PhD., Mgr. Patrícia Gurová, Mgr. Ondrej Tokarčík

Date of last modification: 28.09.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Šaf	řárik University in Košice
Faculty: Faculty of	Science
Course ID: ÚGE/ KRT1/21	Course name: Cartography and Geoinformatics 1
Course type, scope Course type: Lect Recommended co Per week: 2 / 2 Pe Course method: p	ure / Practice urse-load (hours): r study period: 28 / 28
Number of ECTS c	redits: 5
Recommended sem	ester/trimester of the course: 1.
Course level: I.	
Prerequisities:	

Conditions for course completion:

During the semester, it is necessary to submit the results of the exercises. The acquired knowledge at the exercises will be verified by continuous examinations. The number of work outputs and written examinations will be announced at the beginning of the semester. It is possible to obtain 30% for meeting the evaluation criteria at the exercise (work outputs and written tests). The final evaluation of the exercises is determined by the instructor of the subject on the basis of completing the tasks in the exercises during the semester. The final evaluation of the course is based on a combination of meeting the evaluation conditions from the exercises and the final exam. A student who has met the conditions for passing the course at the seminars can apply for the final exam (70%). Credits will be awarded only to a student who achieves the final grade at least at the level of grade E. Credits will not be awarded to a student who does not meet the requirements of the exercises and the final exam is evaluated by FX. Rating scale: A (100-91%), B (81-90%,) C (71-80%), D (61-70%), E (51-60%).

Learning outcomes:

Knowledge: The student will gain theoretical knowledge in the field of cartography and geoinformatics. The student is able to understand cartographic and geoinformatics terminology, appropriately applies cartographic methods for displaying spatial information using a geographic information system, acquires a theoretical basis for the application of cartographic representations and coordinate systems and defines the composition of maps in GIS. The student acquires knowledge of the mathematical principles of mapping the Earth on a map and understands cartographic distortions, classification of cartographic representations, simple and false representations. The student acquires knowledge from the Slovak state map work (civil, military) and also acquires knowledge in cartographic expression methods (cartogram, cartodiagram) and the basics of cartometry.

Skills: The student will learn to acquire and work with the basics of the QGIS program, its control, purpose and structure. The student acquires basic orientations and work in the QGIS program, and work in the basic tools, setting layer properties and is capable of exporting data in different formats. The student understands cartographic representations in QGIS. The student acquires skills in working with paper maps, scale and measurements on maps, can orient in the field using a map, compass and can determine the azimuth. The student has skills in creating a point layer, has skills in

the principles of expressing point phenomena, the creation of a line layer as well as in the principles of expressing line phenomena, isolines. Student also has skills in creating a surface layer, in the principles of expressing surface phenomena. Controls the creation of map output, page settings, map export and output parameters settings. The student has skills in the composition of the map setting the compositional elements of the map and in creating the map output.

Competences: The student is able to work with a high degree of independence with geodata, to visualize them and create new layers, has all the prerequisites for independent creation of digital map output with available software support within GIS. The student is fully competent in the composition of the map - setting its compositional elements. When creating a map output, the student is able to independently or in cooperation in the relevant work team to communicate and collaborate with other experts, formulate opinions and recommendations in the creation and use of GIS in cartography.

Brief outline of the course:

Lectures: Cartography, basic concepts and position in the geosciences system. History and development of cartography. Geoinformatization cartography, digital cartography. Cartography and geoinformatics and their correlation. Geoinformatics, basic terms and definitions of GIS; online maps. Digital representation of objects and phenomena in GIS, vector and raster format. Principles of methodologies of cartographic modeling of geographical information in GIS. Design, use and evaluation of cartographic imaging properties in geoinformatics applications. Map - definition, map criteria, basic properties and elements of the map, categorization of maps, map scale. Principles of mapping the Earth, geoid, reference and display areas, global and local coordinate systems, the Earth and geographical lines and their importance for cartography and geoinformatics. Cartographic distortions, classification of cartographic representations, simple (azimuthal, conical, cylindrical) and false representations. Cartographic representations used in the Slovak state map work. Slovak state map work (civil, military), ZB-GIS, samples. Workflow for creating topographic maps, mapping, overview of 3D data collection in the field and used instrumentation. Map creation basics of map language, cartographic characters, map markers - point, line and area phenomena. Cartographic expression methods - cartogram, cartodiagram, classification and types of cartograms and cartodiagrams. Map composition, map content, map colors, map description, geographical nomenclature, map design. Basics of cartometry - positioning, measuring and determining distances, measuring and determining the size of surfaces, measuring oriented directions and angles, determining altitudes, determining the slope, profile construction, hypsometric curve. Classification of field formations. Thematic maps of various scales, applications, interpretation of maps. Maps on the Internet, map servers, Google Maps / Earth, Openstreetmaps. Office of Geodesy, Cartography and Cathars of the Slovak Republic - Geoportal.

Exercises: Basic introduction to ArcGIS, its purpose and control, program structure, data formats (* .mxd, * .shp), basic terminology - project, data layer - point, line, area, "features" and "graphics". Basic orientation in ArcMap, introduction of basic tools of the "Standard" and "Tools" packages, window "Table of contents", arrangement and properties of layers, tool "Select features" and "Data - Export Data". Defining a coordinate system, cartographic representations in ArcGIS. Introducing the options of the "Layer Properties" dialog box, working with the attribute table, working with files. Basic table editing, preparation and connection of databases (excel / shapefile) using the "Join" function. Working with paper maps, scale and measurement on maps. Orientation in the field using a map, compass, azimuth determination. Georeferencing. Point layer formation; principles of expressing linear phenomena in ArcGIS, isolines. Merge lines, Split lines. Formation; principles of expressing surface phenomena in ArcGIS, Polygon, Auto Complete Polygon, Cut Polygon Tools, Merge polygons. Cartogram, cartodiagram. Map output creation - Layout view, page settings, Map export and output

parameters settings. Map composition - setting the map composition elements and creating map output.

Recommended literature:

HOFIERKA, J., J. KAŇUK, M. GALLAY, 2014. Geoinformatika. Košice: Univerzita Pavla Jozefa Šafárika v Košiciach. ISBN 978-80-8152-178-2.

HOJOVEC, V. et al., 1987. Kartografie. Praha: Geodetický a kartografický podnik v Praze. ISBN 29-621-87.

LONGLEY, P.A., M. GOODCHILD, D. J. MAGUIRE, D. W. RHIND, 2010. Geographic Information Systems and Science. 3rd ed. Hoboken: Wiley & Sons, ISBN 978-0-470-72144-5. PRAVDA, J., D. KUSENDOVÁ, 2004. Počítačová tvorba tematických máp. Bratislava:

Univerzita Komenského v Bratislave. ISBN 80-223-2011-0.

ROBINSON, A. H. et al., 1995. Elements of Cartography. 6th ed. Hoboken: Wiley & Sons. ISBN 0-471-55579-7.

VOŽENÍLEK, V. et al., 2011. Metody tematické kartografie - Vizualizace prostorových jevů. Olomouc: Univerzita Palackého v Olomouci. ISBN 978-80-24427-90-4.

Course language:

Notes:

Course assessment

Total number of assessed students: 130

А	В	С	D	Е	FX
13.08	16.15	29.23	24.62	16.15	0.77

Provides: doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 19.09.2023

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ KRT2/21	Course na	me: Cartography	and Geoinform	atics 2	
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	ctice ourse-load (h tudy period:	ours):			
Number of ECTS	credits: 2				
Recommended sen	nester/trimes	ster of the course	e: 2.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	erature:				
Course language:					
Notes:					
Course assessment Total number of as		ts: 62			
A	В	С	D	Е	FX
59.68	22.58	9.68	4.84	0.0	3.23
Provides: Mgr. Ján	Šašak, PhD.,	doc. RNDr. Ján	Kaňuk, PhD., M	gr. Daniela Buch	alová
Date of last modifi	cation: 27.06	5.2022			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

Faculty: Faculty of S	
<i>v y</i>	Science
Course ID: KPPaPZ/ECo-C4/14	Course name: Communication ECo-C4
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: co	ice irse-load (hours): udy period: 28
Number of ECTS ci	redits: 4
Recommended seme	ester/trimester of the course: 4., 6.
Course level: I., N	
Prerequisities:	
according to the teac	on in lessons (absence is allowed max. 90 min.), 2. Realization of assignment cher's instructions. In in the electronic board of the course in AIS2. The teaching of the subject with
communication, rhe is able to use the a communication with	stands theoretical information about the basics of verbal and nonverbatoric and methods of visualization and interprets them adequately. Studer cquired communication skills in practice, can apply effective principles on others, is able to anticipate and thus prevent possible misunderstandings e to the development of his social and professional skills.
heard", "Internal dia Active listening (The Misunderstandings (Body language (Wha Signs of Physical E Active and Passive E Personality develop Rhetoric (History of reactions) Visualization - optic	cation (Transmitter-receiver principle, "What is said is not equal to what i logue", The concept of communication) e most important criteria for active listening) How Misunderstandings Arise, How to Avoid Misunderstandings) at is body language, Active / passive body language, Dress psychology) xpression, Disadvantages of Fake Physical Expression, Difference Betwee
Recommended liter	ature: LAMĚNÍK, Ivan. Sociální psychologie. 2., přepr. a rozš. vyd. Praha :

KOMÁRKOVÁ, Růžena - SLAMĚNÍK, Ivan - VÝROST, Jozef. Aplikovaná sociální psychologie III : Sociálněpsychologický výcvik. 1. vyd. Praha : Grada Publishing, 2001. 224 s. VÝROST, Jozef - SLAMĚNÍK, Ivan. Aplikovaná sociální psychologie II. 1. vyd. Praha : Grada Publishing, 2001. 260 s.

Course language:

slovak

Notes:

After passing the certification exams from all 4 modules (Teamwork, Selfmarketing, Conflict Management, Communication) the student will receive an ECo-C card and an ECo-C certificate.

Course assessment

Total number of assessed students: 137

abs	n
86.13	13.87

Provides: Mgr. Lucia Barbierik, PhD.

Date of last modification: 24.06.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J.	Šafárik Univers	sity in Košice			
Faculty: Faculty	of Science				
Course ID: CJP/ PFAJKKA/07	Course na	ame: Communic	ative Competenc	e in English	
Course type, sco Course type: P Recommended Per week: 2 Pe Course method	ractice course-load (h r study period:	ours):			
Number of ECT	S credits: 2				
Recommended s	semester/trimes	ster of the cours	se:		
Course level: I.					
Prerequisities:					
two classes at th 2 credit tests (pr Final evaluation Final grade will) FX 64 % and les Learning outcon Brief outline of Recommended www.bbclearnin Štěpánek, Libor 2011. McCarthy M., C	tion in class and e most. esumably in we consists of the s be calculated as ss. mes: the course: literature: genglish.com a kol. Academic D'Dell F.: English eccarelli J., Long C.: Time to pract sunicative Gram	l completed hom eks 6/7 and 12/1: scores obtained f follows: A 93-10 c English-Akade n Vocabulary in I g T.: Angličtina, ise. Polyglot, 200	3) and an oral pro for the 2 tests (50 00 %, B 86-92%, o mická angličtina Use, Upper-Intern konverzace pro p	nts. Students are esentation in Eng %) and the prese C 79-85%, D 72- Praha: Grada Pu mediate. CUP, 19 pokročilé. Barrist	Uish. ntation (50%). 78%, E 65-71%, ublishing, a.s.,
Course languag English languag		according to CEF	ĨR		
Notes:					
Course assessme Total number of		its: 299			
А	В	С	D	Е	FX
45.48	20.74	17.39	7.69	6.02	2.68
Provides: Mgr. I	vana Kupková,	PhD.			

Date of last modification: 11.02.2024

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

	Faculty: Faculty of Science				
Course ID: CJP/ PFAJGA/07	Course name: Communicative Grammar in English				
Course type, scope a Course type: Practi- Recommended cou Per week: 2 Per stu Course method: pre	ce rse-load (hours): Idy period: 28				
Number of ECTS cr	edits: 2				
Recommended seme	ster/trimester of the course:				
Course level: I.					
Prerequisities:					
by given deadlines.	ticipation (maximum 2 absences tolerated), homework assignments completed tion of a topic related to the study field. mester, no retake				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less students' language skills - reading, writing, listening, speaking, improvement				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of of their communic phonological, lexical	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of of their communic phonological, lexical efectively use the lar	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less students' language skills - reading, writing, listening, speaking, improvement ative linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can be any syntactic aspects, with focus on Academic English and English on				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of of their communic phonological, lexical efectively use the lar level B2. Brief outline of the c Selected aspects of E	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less students' language skills - reading, writing, listening, speaking, improvement ative linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can be any syntactic aspects, with focus on Academic English and English on				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of of their communic phonological, lexical efectively use the lar level B2. Brief outline of the c	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less students' language skills - reading, writing, listening, speaking, improvement ative linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can nguage for a given purpose, with focus on Academic English and English on course: Inglish grammar and pronunciation				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of of their communic phonological, lexical efectively use the lar level B2. Brief outline of the of Selected aspects of E Word formation Contrast of tenses in The passive voice	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less students' language skills - reading, writing, listening, speaking, improvement ative linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can be a given purpose, with focus on Academic English and English on course: English grammar and pronunciation				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of of their communic phonological, lexical efectively use the lar level B2. Brief outline of the of Selected aspects of E Word formation Contrast of tenses in The passive voice Types of Conditional	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less students' language skills - reading, writing, listening, speaking, improvement ative linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can aguage for a given purpose, with focus on Academic English and English on course: anglish grammar and pronunciation English				
Final assessment = a Grading scale: A 93- Learning outcomes: The development of of their communic phonological, lexical efectively use the lar level B2. Brief outline of the of Selected aspects of E Word formation Contrast of tenses in The passive voice Types of Conditional Phrasal verbs and En	verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less students' language skills - reading, writing, listening, speaking, improvement ative linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can aguage for a given purpose, with focus on Academic English and English on course: anglish grammar and pronunciation English				

English language, level B2 according to CEFR.					
Notes:					
Course assessn Total number o	nent f assessed studen	ts: 446			
А	B C D E FX				
41.48	19.51	15.7	7.85	5.61	9.87
Provides: Mgr. Lenka Klimčáková					
Date of last modification: 20.09.2023					
Approved: pro	f. Mgr. Jaroslav H	Hofierka, PhD., c	loc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafán	rik University in Košice		
Faculty: Faculty of Science			
Course ID: KGER/ Course name: Communicative Grammar in German Language NJKG/07 Visite Communicative Grammar in German Language			
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28		
Number of ECTS cro	edits: 2		

Recommended semester/trimester of the course:

Course level: I.

Prerequisities:

Conditions for course completion:

Active participation in class and completed homework assignments. Students are allowed to miss 2 classes at the most (2x90 min.). 2 control tests during the semester. Final grade will be calculated as follows: A 93-100 %, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64 % and less.

Learning outcomes:

The aim of the course is to identify and eliminate the most frequent grammatical errors in oral and written communication, learning language skills of listening comprehension, speaking, reading and writing, increasing students 'language competence (acquisition of selected phonological, lexical and syntactic knowledge), development of students' pragmatic competence (acquisition of the ability to express selected language functions), development of presentation skills, etc.

Brief outline of the course:

The course is aimed at practicing and consolidating knowledge of morphology and syntax of German in order to show the context in grammar as a whole. The course is intended for students who often make grammatical errors in oral as well as written communication. Through the analysis of texts, audio recordings, tests, grammar exercises, monologic and dialogical expressions of students focused on specific grammatical structures, problematic cases are solved individually and in groups. Emphasis is placed on the balanced development of grammatical thinking in the communication process, which ultimately contributes to the development of all four language skills.

Recommended literature:

Dreyer, H. – Schmitt, R.: Lehr- und Übungsbuch der deutschen Grammatik. Hueber Verlag GmbH & Co. Ismaning, 2009.

Krüger, M.: Motive Kursbuch, Lektion 1 – 30. Huebert Verlag GmbH & Co. Ismaning, 2020. Brill, L.M. – Techmer, M.: Deutsch. Großes Übungsbuch. Wortschatz. Huebert Verlag GmbH & Co. Ismaning, 2011.

Földeak, Hans: Sag's besser!. Grammatik. Arbeitsbuch für Fortgeschrittene. Huebert Verlag GmbH & Co. Ismaning, 2001.

Geiger, S. – Dinsel, S.: Deutsch Übungsbuch Grammatik A2-B2. Huebert Verlag GmbH & Co. Ismaning, 2018.

Dittelová, E. – Zavatčanová, M.: Einführung in das Studium der deutschen Fachsprache. Košice: ES UPJŠ, 2000.

Course languag German, Sloval					
Notes:	Notes:				
Course assessm Total number of	nent f assessed student	s: 57			
А	В	С	D	E	FX
61.4	10.53	8.77	3.51	8.77	7.02
Provides: Mgr.	Ulrika Strömplov	rá, PhD.	•		
Date of last mo	dification: 12.07	.2022			
Approved: prof	f. Mgr. Jaroslav H	ofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚBEV/ Course name: Comparative Animal Morphology PMZ/10			
Course type, scope a Course type: Lectu Recommended cou Per week: 2 / 1 Per Course method: pro	re / Practice prse-load (hours): p study period: 28 / 14		
Number of ECTS credits: 4			
Recommended semester/trimester of the course: 1.			
Course level: I.			
Prerequisities:			

Conditions for course completion:

Lectures and practical exercises, original drawing of some parts of animal body or it derivates, examination.

Learning outcomes:

The student will acquire basic knowledge about the principles of building the animal body from the simplest protostomian invertebrates to vertebrates. Despite the huge taxonomic diversity of animals, their bodies can be interpreted by a relatively limited number of building principles that correspond to the systematic position of the examined animal and functional adaptations to the environment and way of life. The subject examines the structure of the body at the level of organs and organ systems, by applying the method of comparison it seeks general principles and also peculiarities. It is also important to get acquainted with the principal terms, which the student will use in the spectrum of other study subjects.

Brief outline of the course:

Recommended literature:

Fretter, V., Graham, A., 1976: A Functional Anatomy of Invertebrates. Academic Press, London, New York, San Francisco, 589 pp.

Kardong, K. V., 2002: Vertebrates. Comparative anatomy, function, evolution. 3rd ed., Mc-Graw-Hill, New York.

Pough, F. H., Janis, Ch. M., Heiser, J. B., 2008: Vertebrate Life. Prentice Hall, Inc., 752 pp. 8th edition.

Ruppert, E. E., Fox, R. S., & Barnes, R. D., 2004: Invertebrate zoology: a functional evolutionary approach. Belmont, CA: Thomas-Brooks/Cole.

Course language:

Notes:

The study of the animal body structure of animals is a very old scientific discipline that has accumulated a vast amount of detailed knowledge. Comparing them is not only a way to put the knowledge into a comprehensive system, but mainly a way to find general anatomical rules that are tied to one of the animal's phylogenetic linneage or have general validity and reveal the degree of phylogenetic relationship of animals or the degree of adaptation to the environment

and a way of life. A brief summary of the phylogeny of the animal body building plan and organ systems using the knowledge of classical and modern comparative morphological approach, supported by knowledge of embryology and molecular data for interpretation of the phenotype are the content of this course.

Course assess	ment
T-4-1	· C · · · · · · · · · · · · · · · · · ·

Total number of	f assessed studen	ts: 2244	-
		~	

Α	В	С	D	E	FX	
19.39	19.61	24.33	20.72	11.5	4.46	
Describer des DNDs Audus Marts DLD DNDs Audus Designation (DLD						

Provides: doc. RNDr. Andrej Mock, PhD., RNDr. Andrea Parimuchová, PhD.

Date of last modification: 19.10.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Šafa	árik University in Košice
Faculty: Faculty of	Science
Course ID: ÚGE/ KRS/08	Course name: Complex geographic characteristics of selected world regions
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice ırse-load (hours): udy period: 28
Number of ECTS c	redits: 3
Recommended sem	ester/trimester of the course: 6.
Course level: I.	
Prerequisities:	
they elaborate prese beginning of the sem the activity at the se of acquired knowled reach at least 50% to	se completion: the semester, students choose a region from provided list. During the semester, nutation reflecting formal and content requirements explained by teacher at the sester. This part constitute 50% of total total evaluation. Another 10% represents eminars. Remaining 40 % of evaluation is represented by written verification lige. Evaluation of all - the presentation, activity and written verification must be complete the course. To get an A grade, it is necessary to obtain at least 90% at 80% to grade B, 70% to C, 60% to D, and at least 50% to grade E.
•	: causal relations between individual geographic phenomena in spatial and individual regions; extended knowledge about selected regions.
hydrology, soils and	n, geologic history and structure, orography and shapes of coast, climate, biogeography, protection of nature, current landscape and its transformation, cal development, population and sites, economy and integration groupings in
New York (Wiley), 3 HOBBS, J. J. 2010: Cole), 438 p. WEIGHTMAN, B. 2 3rd edition. Hoboke BAAR, V. 2002: Ná (Ostravská univerzit	 2013: The World Today - Concepts and Regions in Geography, 6th edition. 528 p. Fundaments of World Regional Geography, 2nd edition. Belmont (Brooks/ 2010: Dragons and Tigers – A Geography of South, East and Southeast Asia, n (Wiley), 523 p. rody na prahu 21. století. Emancipace nebo nacionalismus? Ostrava a), 416 s. al. 2012: Contemporary World Regional Geography, 4th edition. New York
Course language: Slovak and English	

Notes:					
Course assessm Total number o	nent f assessed studen	ts: 507			
А	В	С	D	Е	FX
27.22	35.5	22.68	8.88	5.13	0.59
Provides: doc.]	Mgr. Ladislav No	ovotný, PhD.	•		•
Date of last modification: 01.04.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.					

University: P. J. Šafárik University in Košice				
Faculty: Faculty of S				
Course ID: KPPaPZ/ECo-C3/14	Course name: Conflict Management ECo-C3			
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: cor	ce rse-load (hours): Idy period: 28			
Number of ECTS cr	edits: 4			
Recommended seme	ester/trimester of the course: 3., 5.			
Course level: I., N				
Prerequisities:				
1. Active participatio 2. Submission of refl Attendance at semina The evaluation of the set requirements, whi ensure an objective a moral standards. The process or in the asse Learning outcomes: Successful mastery an of basic rules. The method of teach students' needs, expect respect and feedback	ompleting the course are as follows: on in exercises ection within the set deadline on the selected topic. ars is mandatory - the student may have two absences during the semester. course and its subsequent completion will be based on clearly and objectively ich will be set in advance and will not change. The aim of the assessment is to and fair mapping of the student's knowledge while adhering to all ethical and ere is no tolerance for students' fraudulent behavior, whether in the teaching			
topicality of the topic the connection of the in lectures and semin The student is able to situations. The stude competencies as well	es so as to ensure the connection of the curriculum with other subjects and also curriculum with practice. Students will be expected to take an active approach ars with an emphasis on their independence and responsibility. o demonstrate an understanding of an individual's behavior in various conflic ent is able to describe, explain and evaluate their own internal resources as limitations and weaknesses that are directly related to conflict management apply theoretical knowledge and principles of conflict resolution to everyday			
of disputes), Dispute strategies, Know ho	auses (Types of disputes, External influences, Be able to reveal the causes e origin (Levels of disputes, Escalation warning signals, Escalation remova w to explain escalation stages; How do I approach a dispute?) Dispute Resolution Strategies, Dispute Discussion, Dispute Settlement Initiatives			

Knowing how to handle a dispute and how to effectively resolve it), Dispute Resolution (Options, Public Struggle, Covert Struggle, Indefinite Postponement, Agreement, "Fair play", compromise, cooperation, capitulation, escape or separation), Prevention (Structures that produce disputes, The meaning and purpose of disputes, Stages and steps of dispute resolution, What does a positive corporate culture mean? Dispute is an incentive for change)

Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 145		
abs	n	
94.48 5.52		
Provides: Mgr. Ondrej Kalina, PhD.		
Date of last modification: 24.06.2022		
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc	. RNDr. Peter Pristaš, CSc.	

University: P. J. Šat	árik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ KULG/21	Course na	ame: Cultural Ge	ography		
Course type, scope Course type: Lect Recommended co Per week: 2 / 1 Pe Course method: p	ure / Practice urse-load (h r study peri	ours):			
Number of ECTS of	redits: 4				
Recommended sem	ester/trimes	ster of the course	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:)				
Course assessment Total number of ass	essed studen	ts: 30			
A	В	С	D	Е	FX
63.33	13.33	20.0	3.33	0.0	0.0
Provides: Mgr. Mar	ián Kulla, Pł	nD., prof. Mgr. Ja	roslav Hofierka,	PhD.	
Date of last modifie	cation: 27.06	5.2022			
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter l	Pristaš, CSc.	

KUL/12 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: 3. Course level: 1. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature: ANDÉL. J. 1998: Kultúrni geografie. UJEP Ústí nad Labern, 146 s. ANDÉR. J. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 222-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultura ludstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W. E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROSTÁL, S. r. 1994: Lidé a kultúry. Nakl	University: P. J. Šafá	rik University in Košice
KUL/12 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: 3. Course level: I. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature: ANDÉL. J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and stecl: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kultúra Fudova on geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra Fudova. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W., E. 2006	Faculty: Faculty of S	cience
Course type: Lecture / Practice Recommended course-load (hours): Per weck: 2 / 1 Per study period: 28 / 14 Course method: present Number of ECTS credits: 4 Recommended semester/trimester of the course: 3. Course level: 1. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature: ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r	Course ID: ÚGE/ KUL/12	Course name: Cultural geography
Recommended semester/trimester of the course: 3. Course level: 1. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature: ANDĚL. J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s.	Course type: Lectur Recommended cour Per week: 2 / 1 Per	re / Practice rse-load (hours): study period: 28 / 14
Course level: I. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature: ANDĚL. J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROGERS, A. 1994: Lidé a kultúry. Nakladatelský dům Praha, 256 s.	Number of ECTS cr	edits: 4
Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature: ANDĚL, J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROGERS, A. 1994: Lidé a kultúry. Nakladatelský dům Praha, 256 s. Course language: Slovak	Recommended seme	ester/trimester of the course: 3.
Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature: ANDÈL. J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROGERS, A. 1994: Lidé a kultúry. Nakladatelský dům Praha, 256 s. Course language: Slovak	Course level: I.	
Learning outcomes: Brief outline of the course: Recommended literature: ANDĚL. J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROGERS, A. 1994: Lidé a kultúry. Nakladatelský dům Praha, 256 s. Course language: Slovak	Prerequisities:	
 Brief outline of the course: Recommended literature: ANDĚL. J. 1998; Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROGERS, A. 1994: Lidé a kultúry. Nakladatelský dům Praha, 256 s. 	Conditions for cours	se completion:
 Recommended literature: ANDĚL. J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROGERS, A. 1994: Lidé a kultúry. Nakladatelský dům Praha, 256 s. 	Learning outcomes:	
 ANDĚL. J. 1998: Kultúrní geografie. UJEP Ústí nad Labem, 146 s. ANDERSON, K. et al. 2003: Handbook of cultural geography. 601 p. BARŠA, P. 1999: Politická teorie multikulturalismu, CDK. BERGMAN, E. F. 1995: Human Geography. Cultures, Connections and Landscapes. Prentice Hall, Engewood Cliffs. BONNEMAISON, J. 2005: Culture and Space. I. B. Tauris. DIAMOND, J. 1997: Guns, germs and steel: the fates of human societies. Norton & co., New York. DIAMOND, J. 2019: Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. DOSTÁL, P. 1999: Ethnicity, mobilization and territory: an overview of recent experien-ces. Acta UC, Geographica, XXXIV, 1, s. 45-58. HEŘMANOVÁ, E., CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. Praha: ASPI, a. s., 292-301. KRUPA, V., GENZOR, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MACDONALD, F., MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo nakladatelství, s. r. o. Praha, 256 s. MURRAY, W, E. 2006: Geographies of Globalization. Routledge Contemporary Human Geography. Routledge Taylor & Francis Group London and New York, 32 s. ROGERS, A. 1994: Lidé a kultúry. Nakladatelský dům Praha, 256 s. 	Brief outline of the c	course:
Slovak	ANDĚL. J. 1998: Ku ANDERSON, K. et a BARŠA, P. 1999: Po BERGMAN, E. F. 19 Hall, Engewood Cliff BONNEMAISON, J. DIAMOND, J. 1997: York. DIAMOND, J. 2019: DOSTÁL, P. 1999: E UC, Geographica, XX HEŘMANOVÁ, E., Praha: ASPI, a. s., 29 KRUPA, V., GENZO MACDONALD, F., I nakladatelství, s. r. o. MURRAY, W, E. 200 Geography. Routledg	 Itúrní geografie. UJEP Ústí nad Labem, 146 s. al. 2003: Handbook of cultural geography. 601 p. Itická teorie multikulturalismu, CDK. 2095: Human Geography. Cultures, Connections and Landscapes. Prentice fs. 2005: Culture and Space. I. B. Tauris. 2005: Guns, germs and steel: the fates of human societies. Norton & co., New 20trasy – Ako národy riešia svoje krízy. Premedia, 408 s. 2005: Culture and territory: an overview of recent experien-ces. Acta XXIV, 1, s. 45-58. 2007: CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. 202-301. 2007: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. 2008: MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo 2009: Praha, 256 s. 2009: Geographies of Globalization. Routledge Contemporary Human ge Taylor & Francis Group London and New York, 32 s.
	Course language: Slovak	

	Course assessment Total number of assessed students: 577								
Total number of	i assessed studen	ts: 577							
А	В	С	D	Е	FX				
54.07	32.58	10.05	2.95	0.35	0.0				
Provides: Mgr.	Provides: Mgr. Marián Kulla, PhD., Mgr. Štefan Kolečanský, prof. Mgr. Jaroslav Hofierka, PhD.								
Date of last modification: 09.10.2020									
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.					

University: P. J. Šafár	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ CYT1/15	Course name: Cytology
Course method: pre Number of ECTS cr	re / Practice rse-load (hours): study period: 42 / 28 esent
Course level: I.	
Prerequisities:	
Conditions for cours Practicals graduation each); Oral examination	(without absence); Two written tests graduation (min. 70 % fruitfulness of

Learning outcomes:

To provide the students with knowledge of basic principles of cell microscopic and submicroscopic structure and function.

Brief outline of the course:

Lectures:

1.) Cell theory. Cell. 2.) Organization of living systems. 3.) Biological membranes. 4.) Transfer of substances across membranes. 5.) Cell wall of plant cells. 6.) Surface structures of cells. Extracellular matrix. Cell movement. 7.) Intercellular connections. 8.) Cytoskeleton. 9.) Cell nucleus. 10.) Mitochondria and cellular metabolism. 11.) Plastids and vacuoles. 12.) Ribosomes. Endoplasmic reticulum. Golgi apparatus. Lysosomes. 13.) Differentiation, aging and cell death, pathological changes in cells.

Exercises:

1.) Safety at work in a cytomorphological laboratory. Conditions for successful completion of exercises. 2.) Basics of optics. Origin and construction of the image with a magnifying glass and a microscope. 3.) Microscopic technique. 4.) Shape and size of cells. 5.) Principle of fluorescence and confocal microscopy. 6.) Control test. Vacuole. 7.) Cytoplasm movement. 8.) Nucleus and nucleolus. 9.) Cytoplasmic membrane. 10.) Osmotic processes. 11.) Cell inclusions. 12.) Cell walls of plant cells. 13.) Cell counting. Control test.

Recommended literature:

K.Kapeller, H.Strakele: Cytomorfológia. Osveta Martin, 1999

M.Babák, J.Šamaj: Cytológia. Univerzita Komenského Bratislava, 2002

Alberts B., Bray D., Johnson A., Lewis J.: Základy buněčné biologie. Espero Publishing, 2003 Campbell N. a Reece J.: Biologie. Computer Press, 2006

Kleban J., Mikeš J., Jendželovská Z., Jendželovský R., Fedoročko P.: Cytológia pracovný zošit na praktické cvičenia, 2018

Course language:

Notes:

Course assessm Total number o	nent f assessed studen	ts: 1048					
А	В	С	D	Е	FX		
12.98	19.75	28.82	20.8	16.6	1.05		
	Provides: doc. RNDr. Rastislav Jendželovský, PhD., RNDr. Zuzana Jendželovská, PhD., RNDr. Jana Vargová, PhD.						
Date of last modification: 19.02.2024							
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.			

Page: 52

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ DTG/21	Course name: Digital technologies in geography
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 1.
Course level: I.	
Prerequisities:	
the semester. The over evaluation. The evalu	Se completion: on a combination of midterm (30%) and final assessment (70%) at the end of erall evaluation is calculated as a weighted average of the final and midterm uation scheme applies to the overall evaluation: A (100-90 points), B (80-89 nts), D (60-69 points), E (50-59 points), FX (0 -49 points).
technologies specific for and sort different professional literature Skills: The student use databases of scie modifying different t acquainted with the l knowledge of using 0 Competences: The st of geography. The res	dent will gain knowledge in the field of information and communication to the study of geography and geoinformatics. The student will learn to search types of information. The acquired knowledge will be used in working with e published in scientific databases and selected geospatial databases. will learn to work with selected WebGIS portals publishing geodata and entific journals and citation manager. They will learn the basic methods of ypes of data in order to prepare them for integration into GIS. They will get icense conditions of the used software within the department. Gain advanced Office. udent will acquire basic competencies in the field of ICT needed for the study sult is the student's ability to manage the study fluently and smoothly in terms student is able to independently use ICT tools.
university for studer operating systems, da SR, Soil portal, ŠGÚ the essence of vector databases (formulas,	bourse: I information regarding the study, standards and services provided by the nts (WiFi, information retrieval, websites, citation manager - CitacePro) ata types, file types, software used. Work with statistical data, DataCube, SO DŠ, Geoenviroportal, Geoportal and similar web applications. Explanation of and raster graphics, graphic formats and their use. Work with spreadsheet and contingency tables and graphs), advanced work and formatting in MS Word. ht to create presentations and posters.
	nture: riestorové analýzy a modelovanie. Vysokoškolské učebné texty. Ita Univerzity Pavla Jozefa Šafárika v Košiciach. 114 s.

ŽITNIAK, J., 2017. Microsoft Office 2016. Podrobná uživatelská příručka. Computer Press. 464

s.

KLATKOVSKÝ, K., 2016. Word 2016 nejen pro školy. Computer Media. 124 s.

KLATKOVSKÝ, K., 2016. Powerpoint 2016 nejen pro školy. Computer Media. 80 s.

LAURENČÍK, M., 2019. Excel 2016 a 2019 - pokročilé nástroje, Grada, 256 s.

Course languag	ge:							
Notes:								
Course assessm Total number of	nent f assessed studen	ts: 132						
А	В	B C D E FX						
52.27	25.76	13.64	4.55	1.52	2.27			
Provides: doc. 1	RNDr. Ján Kaňul	k, PhD., Mgr. Da	niela Buchalová		•			
Date of last mo	dification: 27.06	5.2022						
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter l	Pristaš, CSc.				

	rik University in Košice
Faculty: Faculty of S	cience
Course ID: KPPaPZ/PUDB/15	Course name: Drug Addiction Prevention in University Students
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 3., 5.
Course level: I.	
Prerequisities:	
participation in works 50 - 45: A; 44 - 40:	the completion: active participation in the training part (30p). 2nd part of the evaluation: active shops (20p). In total, students can get 50p and the final evaluation is as follows B; 39-35: C; 34-30: D; 29 - 25: E 24 and less: FX. Detailed information in a board of the course in AIS2. The teaching of the subject will be realized by
describe and explain substance use. Studen of substance and non- The student is also a approaches in preven The student is able to	ands the principals of research data based prevention of risk behavior, can the determinants of risk behavior as well as protective and risk factors fo at understands and adequately interprets the theory explaining the background substance addictions. The background forms of prevention, strategies and tion, can distinguish effective strategies from ineffective ones. The adequately interpret their experience with preventive activities in the group itive effect as well as limitations and threats.
Brief outline of the c	ourse:
internetu v školskej p Sloboda, Z., & Bukos and Practice. New Yo	012). Základy prevencie užívania drog a problematického používania oraxi. Košice: UPJŠ. ski, J. (Eds.). (2006). Handbook of Drug Abuse Prevention: Theory, Science
Course language: slovak	

	Course assessment								
Total number of	f assessed studen	ts: 616							
А	A B C D E FX								
78.41	15.91	3.73	1.46	0.16	0.32				
-	Provides: prof. PhDr. Oľga Orosová, CSc., Mgr. Lucia Barbierik, PhD., Mgr. Viera Čurová, PhD., Mgr. Janka Liptáková								
Date of last modification: 24.06.2022									
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.						

University: P. J. Šaf	árik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ EKG/21	Course na	ame: Economic g	eography		
Course type, scope Course type: Lect Recommended co Per week: 3 / 1 Pe Course method: p	ure / Practice urse-load (h r study peri	ours):			
Number of ECTS of	redits: 6				
Recommended sem	ester/trimes	ster of the cours	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:)				
Course assessment Total number of ass	essed studen	ts: 70			
A	В	С	D	Е	FX
10.0	12.86	22.86	27.14	24.29	2.86
Provides: Mgr. Mar	ián Kulla, Pł	nD., doc. Mgr. La	dislav Novotný,	PhD.	
Date of last modifie	cation: 27.06	5.2022			
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

Faculty: Faculty of S	cience
Course ID: ÚINF/ EDS/15	Course name: Educational software
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 5.
Course level: I.	
Prerequisities:	
 3. Creation of an inter 4. Creation of an inst Conditions for the fir Creation and presentat Conditions for success Obtaining at least 50° Learning outcomes: Students will receive a) presentation software conceptual maps, b) programs for the c c) simulation and mod d) selected subject-on Students present and 	ng evaluation: sheet for student. imedia educational game. ractive educational quiz. ructional educational video. nal evaluation: ation of final project on the use of educational software in education. ssful completion of the course: % of points for ongoing and final assignments. , resp. deepen their basic skills in working with: are, programs for creating and editing images, animations, diagrams, sounds reation of didactic tests, questionnaires, surveys,
 Creating and proce Creation and use of textbooks and workb Creation of instruct Electronic voting a 	ational software and educational web resources and tools. Easing of materials for teaching aid . If electronic and interactive educational documents (worksheets, presentations ooks). tional educational video. and questionnaire creation. te tests and educational games. Gamification elements, tools and environments applications. ation tools.

10. Online educational platforms, repositories, projects and competitions.

11. Simulations and modelling. Subject-focused educational programmes.

12. Use digital tools to plan, monitor, differentiate and personalise learning. Accessibility of digital tools and learning resources.

Recommended literature:

SOLOMON, Gwen and Lynne SCHRUM, 2014. Web 2.0 How-to for Educators. Second. International Society for Technology in Education, 314 p. ISBN 978-1564843517.

STOBAUGH, Rebecca, 2019. Fifty Strategies to Boost Cognitive Engagement: Creating a Thinking Culture in the Classroom (50 Teaching Strategies to Support Cognitive Development). Solution Tree Press, 176 p. ISBN 978-1947604773.

LEMOV, Doug, 2015. Teach Like a Champion 2. 0: 62 Techniques That Put Students on the Path to College [online]. 2nd edition. John Wiley & Sons, Incorporated, 509 p. [cited 2021-7-10]. ISBN 9781118898628. Available from: https://ebookcentral.proquest.com/lib/upjs-ebooks/ detail.action?docID=1895720

European Schoolnet: Transforming education in Europe [online]. [cited 2021-7-10]. Available from: http://www.eun.org/home

Science On Stage Europe [online]. Science on Stage Europe e.V. [cited 2021-7-10]. Available from: https://www.science-on-stage.eu/

Course language:

Slovak and partly English due to selected programs and information sources

Notes:

By default, teaching is carried out face to face. If this is not possible (eg due to a pandemic), teaching is provided at a distance through video conferencing programs and LMS.

Course assessment

Total number of assessed students: 91

А	В	С	D	Е	FX
73.63	13.19	7.69	0.0	5.49	0.0

Provides: doc. RNDr. Ľubomír Šnajder, PhD., Mgr. Katarína Brinziková

Date of last modification: 16.03.2024

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: CJP/ PFAJ4/07	Course name: English Language of Natural Science
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 4.
Course level: I.	
Prerequisities:	
2 classes at the most Continuous assessme 1 credit test taken pre 1 project (quiz on the 5 LMS quizzes (25% In order to be admitte assessment The exam test results represent the other 50 The final grade for th A 93-100, B 86-92, C	n class and completed homework assignments. Students are allowed to miss nt: esumably in weeks 6/7 topic of the student's field of study) 25% of the continuous assessment of the continuous assessment) ed to the final exam, a student has to score at least 65 % from the continuous represent 50% of the final grade for the course, continuous assessment results
in English for specific Students obtain know English, improve thei	ents' language skills (speaking, writing, reading and listening comprehension) c and academic purposes and development of students' linguistic competence. vledge of selected phonological, lexical and syntactic aspects of professional r pragmatic competence - students can effectively use the language for a given presentation skills at B2 level (CEFR) with focus on terminology of natural
 6. Expressing cause a 7. Describing structure 8. Explaining process 	dying language f scientific language lemic study terminology and concepts and effect res

10. Talking about problem and solution

- 11. Referencing authors
- 12. Giving examples
- 13. Visual aids and numbers
- 14. Referencing time and place

Presentation topics related to students' study fields.

Recommended literature:

lms.upjs.sk - e-kurz Odborný anglický jazyk pre prírodné vedy.

Redman, S.: English Vocabulary in Use, Pre-intermetdiate, Intermediate. Cambridge University Press, 2003.

Armer, T.: Cambridge English for Scientists. CUP, 2011.

Wharton J.: Academic Encounters. The Natural World. CUP, 2009.

P. Fitzgerald : English for ICT studies. Garnet Publishing, 2011.

https://worldservice/learningenglish, https://spectator.sme.sk

www.isllibrary.com

linguahouse.com

Course language:

English, level B2 (CEFR)

Notes:

Course assessment

Total number of assessed students: 3075

Α	В	С	D	E	FX
38.44	26.08	16.46	9.53	7.45	2.05
Provides: Mgr.	Viktória Mária S	lovenská, Mgr. L	enka Klimčákov.	á	

Date of last modification: 06.02.2024

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Šaf	árik Univers	ity in Košice				
Faculty: Faculty of	Science					
Course ID: ÚGE/ ENG1/21	Course name: Environmental Geology					
Course type, scope Course type: Lect Recommended co Per week: 1 / 1 Pe Course method: p	ure / Practice urse-load (h r study perie	ours):				
Number of ECTS c	credits: 3					
Recommended sem	ester/trimes	ster of the course	e: 3.			
Course level: I., II.						
Prerequisities:						
Conditions for cou	rse completi	on:				
Learning outcomes						
Brief outline of the	course:					
Recommended lite	rature:					
Course language:						
Notes:						
Course assessment Total number of ass	essed studen	ts: 8				
A	В	С	D	Е	FX	
0.0	50.0	37.5	12.5	0.0	0.0	
Provides: doc. Ing.	Katarína Bór	nová, PhD.				
Date of last modifie	cation: 27.06	5.2022				
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.		

$\mathbf{E}_{2} = \mathbf{I} \mathbf{I}_{2} + \mathbf{E}_{2} = \mathbf{I}$		
Faculty: Faculty of S	cience	
Course ID: ÚBEV/ TCZ/03	Course name: Fieldwork fr	om zoology
Course type, scope a Course type: Practic Recommended cour Per week: Per stud Course method: pre	ce r se-load (hours): l y period: 5d	
Number of ECTS cr	edits: 2	
Recommended seme	ster/trimester of the course	: 4.
Course level: I.		
Prerequisities:		
the specified field trip	ccessful completion of the fie ps, submission of a collection ers, processing of the assigne	Id exercises in zoology is active participation in of 10 correctly identified species of animals or d task and presentation of the results of the task
Learning outcomes:		
Students will see an different groups of an	nimals in nature. They will tr cessing a small scientific pro	ethods of collecting, capturing and observing y identifying animals using identification keys. ject and presenting the obtained results in front
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct	nimals in nature. They will tr cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting	y identifying animals using identification keys.
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct recording, conservati with the principles of Recommended litera Any literature (identi	nimals in nature. They will tr cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting nature conservation. hture: fication keys, animal atlases) tebrates. Electronic application	y identifying animals using identification keys. ject and presenting the obtained results in front habitats of Slovakia; observation, collection,
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct recording, conservati with the principles of Recommended litera Any literature (identi- invertebrates and ver and voice recordings	nimals in nature. They will tr cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting nature conservation. hture: fication keys, animal atlases) tebrates. Electronic application	y identifying animals using identification keys. ject and presenting the obtained results in front habitats of Slovakia; observation, collection, to know the representatives of fauna connected for identifying different groups of
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct recording, conservati with the principles of Recommended litera Any literature (identi- invertebrates and ver	nimals in nature. They will tr cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting nature conservation. hture: fication keys, animal atlases) tebrates. Electronic application	y identifying animals using identification keys. ject and presenting the obtained results in front habitats of Slovakia; observation, collection, to know the representatives of fauna connected for identifying different groups of
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct recording, conservati with the principles of Recommended litera Any literature (identi- invertebrates and ver and voice recordings Course language:	nimals in nature. They will the cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting finature conservation. Inture: fication keys, animal atlases) tebrates. Electronic application	y identifying animals using identification keys. ject and presenting the obtained results in front habitats of Slovakia; observation, collection, to know the representatives of fauna connected for identifying different groups of
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct recording, conservati with the principles of Recommended litera Any literature (identii invertebrates and ver and voice recordings Course language: Notes: Course assessment	nimals in nature. They will the cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting finature conservation. Inture: fication keys, animal atlases) tebrates. Electronic application	y identifying animals using identification keys. ject and presenting the obtained results in front habitats of Slovakia; observation, collection, to know the representatives of fauna connected for identifying different groups of
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct recording, conservati with the principles of Recommended litera Any literature (identi- invertebrates and ver and voice recordings Course language: Notes: Course assessment Total number of asses	nimals in nature. They will the cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting in the conservation. Ature: fication keys, animal atlases) tebrates. Electronic application	y identifying animals using identification keys. ject and presenting the obtained results in front habitats of Slovakia; observation, collection, to know the representatives of fauna connected for identifying different groups of ons for identifying animals from photographs
Students will see an different groups of an Students will try pro- of other course partic Brief outline of the c Study of fauna direct recording, conservati with the principles of Recommended litera Any literature (identi- invertebrates and ver and voice recordings Course language: Notes: Course assessment Total number of asses	nimals in nature. They will tr cessing a small scientific pro- ipants. ourse: ctly in the field in different on and determination. Getting nature conservation. fication keys, animal atlases) tebrates. Electronic application seed students: 1088 abs 99.45 er Luptáčik, PhD., doc. RNDr	y identifying animals using identification keys. ject and presenting the obtained results in front habitats of Slovakia; observation, collection, to know the representatives of fauna connected for identifying different groups of ons for identifying animals from photographs

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Š	Safárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE MHG1/07	Course na	me: Fieldwork i	n Human Geogi	raphy	
Course type, scop Course type: Pr Recommended Per week: Per s Course method	actice course-load (h study period: 4	ours):			
Number of ECTS	S credits: 3				
Recommended so	emester/trimes	ter of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcom	ies:				
Brief outline of t	he course:				
Recommended li	terature:				
Course language	:				
Notes:					
Course assessme Total number of a		ts: 572			
А	В	С	D	Е	FX
93.71	2.27	1.57	1.4	0.87	0.17
Provides: RNDr. Dická, PhD., univ			,	., RNDr. Janetta N	Nestorová-
Date of last modi	fication: 31.03	.2020			
Approved: prof.	Mgr. Jaroslav H	lofierka, PhD d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Universi	ty in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ HYP/15	Course na	me: Fieldwork i	n Hydrology		
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	tice urse-load (ho tudy period:	ours):			
Number of ECTS	credits: 3				
Recommended sen	nester/trimes	ter of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completio	on:			
Learning outcome	S:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		s: 80			
A	В	С	D	Е	FX
93.75	5.0	0.0	1.25	0.0	0.0
Provides: RNDr. D	ušan Barabas,	CSc.			
Date of last modifi	cation: 27.06	.2022			
Approved: prof. M	gr. Jaroslav H	ofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafán	rik University in Košice	
Faculty: Faculty of So	cience	
Course ID: ÚBEV/ TCB1/03	Course name: Fieldworks	from Botany
Course type, scope a Course type: Practic Recommended cour Per week: Per stud Course method: pre	e se-load (hours): y period: 5d sent	
Number of ECTS cro		
Recommended semes	ster/trimester of the cours	e: 2.
Course level: I.		
Prerequisities:		
Conditions for cours	e completion:	
Learning outcomes: Brief outline of the co	ourse:	
•		
Recommended litera	ture:	
Course language:		
Notes:		
Course assessment Total number of asses	ssed students: 1412	
	abs	n
(99.93	0.07
Provides: prof. RNDr	: Pavol Mártonfi, PhD., Mg	r. Vladislav Kolarčik, PhD., univerzitný docent
Date of last modifica	tion: 15.12.2021	
Approved: prof. Mgr.	Jaroslav Hofierka, PhD., d	oc. RNDr. Peter Pristaš, CSc.

Faculty: Facult							
	ty of Science						
Course ID: ÚC GEP2/18	BE/ Course n	E/ Course name: Fundamentals of Geology for Geographers					
Course type: Recommende	cope and the me Lecture / Practic d course-load (1 2 Per study per od: present	e 1ours):					
Number of EC	TS credits: 6						
Recommended	l semester/trime	ester of the cours	e: 1.				
Course level: I	•						
Prerequisities:							
Conditions for	course complet	ion:					
Learning outco	omes:						
Courses have t	following object	was firstly to it	straduas the our	ent theories of n			
occur in the Ea minerals, taxol	rth (global tector ogy of intrusive r	iics, species of ma ocks, taxology of	agmatism), secon sedimentary rock	dly, to describe th cs and rocks which cs of the historic	ne rock-forming h had overcame		
occur in the Ea minerals, taxolo metamorphosis	rth (global tector ogy of intrusive r s, basics of the r	iics, species of ma ocks, taxology of	agmatism), secon sedimentary rock	dly, to describe th s and rocks whic	ne rock-forming h had overcame		
occur in the Ea minerals, taxolo metamorphosis paleontology.	rth (global tector ogy of intrusive r s, basics of the r	iics, species of ma ocks, taxology of	agmatism), secon sedimentary rock	dly, to describe th s and rocks whic	ne rock-forming h had overcame		
occur in the Ea minerals, taxolo metamorphosis paleontology. Recommended	rth (global tector ogy of intrusive r s, basics of the r	iics, species of ma ocks, taxology of	agmatism), secon sedimentary rock	dly, to describe th s and rocks whic	ne rock-forming h had overcame		
occur in the Ea minerals, taxolo metamorphosis paleontology. Recommended Course langua Notes: Course assessm	rth (global tector ogy of intrusive r s, basics of the r l literature: ge:	nics, species of ma ocks, taxology of egional geology	agmatism), secon sedimentary rock	dly, to describe th s and rocks whic	ne rock-forming h had overcame		
occur in the Ea minerals, taxolo metamorphosis paleontology. Recommended Course langua Notes: Course assessm	rth (global tector ogy of intrusive r s, basics of the r l literature: ge: nent	nics, species of ma ocks, taxology of egional geology	agmatism), secon sedimentary rock	dly, to describe th s and rocks whic	ne rock-forming h had overcame		
occur in the Ea minerals, taxolo metamorphosis paleontology. Recommended Course langua Notes: Course assessm Total number of	rth (global tector ogy of intrusive r s, basics of the r l literature: ge: nent	nts: 1205	agmatism), secon 'sedimentary roch of Slovakia, basi	dly, to describe the sand rocks which cs of the historic	he rock-forming h had overcame al geology and		
occur in the Ea minerals, taxolo metamorphosis paleontology. Recommended Course langua Notes: Course assessm Total number of A 7.88	rth (global tector ogy of intrusive r s, basics of the r l literature: ge: nent of assessed studer B 17.76	nts: 1205	agmatism), secon sedimentary rock of Slovakia, basi D 26.14	dly, to describe the sand rocks which consider the historic constant of the historic E	he rock-forming h had overcame cal geology and FX		
occur in the Ea minerals, taxolo metamorphosis paleontology. Recommended Course langua Notes: Course assessm Total number of A 7.88 Provides: doc.	rth (global tector ogy of intrusive r s, basics of the r l literature: ge: nent of assessed studer B 17.76	nts: 1205 C 32.53 Drová, PhD., Ing.	agmatism), secon sedimentary rock of Slovakia, basi D 26.14	dly, to describe the sand rocks which consider the historic constant of the historic E	he rock-forming h had overcame cal geology and FX		

•	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ VB1/01	Course name: General botany
Course type, scope a Course type: Lectur Recommended cour Per week: 3 / 2 Per Course method: pre	re / Practice rse-load (hours): study period: 42 / 28
Number of ECTS cr	edits: 6
Recommended seme	ester/trimester of the course: 2.
Course level: I.	
Prerequisities: ÚBEV	V/CYT1/15
Conditions for cours Two tests during the	se completion: semester, oral examination
to enhance student's will acquire skills for	to understand the structure and function of plant cells, tissues and organs and ability to describe the biological role of plants for life on earth. Students or simple preparation of native microscopic slides, for working with a light onstration of observed plant structures in relation to the lectured theoretical
organization. Plant re are necessary for und and functions of plant adaptations of plants; plant tissue systems, r organs, root; 8. Stem;	ction of plant cells and tissues. Plant organs, their structure, function, shape and eproduction and grounding in embryology. Basic information and terms that lerstanding of relationship between internal structure and functions of organs nt organism en bloc. 1. Contents of General botany, significant evolutionary 2. Plant cell cytology. Basic cell organelles; 3. Plastids, cell wall; 4. Histology, meristematic tissues; 5. Dermal and ground tissues; 6. Vascular tissues; 7. Plant ; 9. Leaf; 10. Flower, Inflorescence; 11. Pollination and fertilisation in plants;
-	ictic reproduction of plants. Seeds and fruits; 13. Alternation of generations ophytes and vascular plants.
and life cycles of bry Recommended litera Bobák, M. a kol.: Bo Vinter V.: Rostliny po v Olomouci, Olomou	ophytes and vascular plants. ature: tanika. Anatómia a morfológia rastlín. SPN, Bratislava, 1992; od mikroskopem. Základy anatómie cévnatých rostlin. Univerzita Palackého
and life cycles of bry Recommended litera Bobák, M. a kol.: Bo Vinter V.: Rostliny po v Olomouci, Olomou	ophytes and vascular plants. ture: tanika. Anatómia a morfológia rastlín. SPN, Bratislava, 1992; od mikroskopem. Základy anatómie cévnatých rostlin. Univerzita Palackého ic, 2009;

Course assessm Total number of	nent f assessed studen	ts: 1199					
А	В	С	D	Е	FX		
16.6	<u>5</u> 27.11 28.86 16.1 8.34 3.0						
-	Provides: prof. RNDr. Pavol Mártonfi, PhD., Mgr. Vladislav Kolarčik, PhD., univerzitný docent, PaedDr. Andrea Lešková, PhD.						
Date of last mo	dification: 29.10	.2021					
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.			

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚBEV, GE1/10	Course na	me: Genetics			
Course type, scope Course type: Lect Recommended co Per week: 3 / 3 Po Course method: p	ure / Practice ourse-load (h er study perio	ours):			
Number of ECTS	credits: 7			_	
Recommended sen	nester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities: ÚB	EV/MOB1/1:	5 or ÚBEV/MB1	/01		
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of as		ts: 1645			
А	В	С	D	Е	FX
19.39	15.5	15.62	14.29	20.43	14.77
Provides: prof. RN Miroslava Bálintov				a Bruňáková, PhI	D., RNDr.
Date of last modifi	cation: 15.12	2.2021		_	
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šaf	ărik University in Košice				
Faculty: Faculty of	Science				
Course ID: ÚGE/ GIS/15	Course name: Geographic Information Systems				
Course type, scope Course type: Lectu Recommended cou Per week: 2 / 2 Per Course method: pr	ure / Practice urse-load (hours): r study period: 28 / 28				
Number of ECTS c	redits: 6				
Recommended sem	ester/trimester of the course: 3., 5.				
Course level: I.					
Prerequisities:					

Conditions for course completion:

The assessment is a combination of continual control during the practicals and the final exam in the examination period. The continual assessment is performed during the semester and it involves 2 written tests in the mid-term and end of the semester and a project report generated according to the assignment and practical skills acquired during the practicals. The student can proceed to the final exam in case he or she acquired at least 50 points of 100 in all elements of the the continual assessment. The final assessment mark is based on the average number points received in the midterm test, project report, practicals assessment, and final exam. The final exam is a written test comprising 3-4 questions. The credits are given in case the student had reached at least the E mark in continual assessment and final exam. The following marking scheme is applied in the assessment: A (100-90 points), B (80-89 points), C (70-79 points), D (60-69 points), E (50-59 points), FX (0-49 points).

Learning outcomes:

The students gain knowledge on the intermediate levele in the theory of geoinformation science, GIS, and Remote Sensing, GIS data models, methods of data processing and spatial analysis. They gain practical skills in processing of geographic data, management, analysis, and visualisation

of the geographic data in a GIS project.

Students acquire competence in defining a GIS project, suitabla data models, methods of data acquisition, data processing, analysis and visualisation, presentation skills and skills in team work.

Brief outline of the course:

The course is focused on the following topics: geoinformatics as a scientific discipline, components of geographic information system, digital landscape representation and data models, GIS standards for coordinate systems and transformations, collection of geographic data for GIS (GNSS, photogrammetry, multispectral satellite imagery, lidar, radar), data management in GIS, attribute and spatial demands, layer overlap, map algebra, spatial prediction, quality and uncertainty of geographic data, GIS web solutions, legislative aspects in GIS, GIS applications in practice.

Exercises are focused on working in ArcGIS Pro: basic and advanced vectorization, data organization in the geodatabase, import / export of various data formats to GIS, creation of color compositions from satellite images, mapping, 3D visualization and animation of geographic data, geoprocessing, map algebra, spatial and attribute demands, spatial prediction, analysis of digital

elevation models (DEM). Students learn the topics of the semester project in the middle of the semester and solve the assigned task in the team using the skills and knowledge acquired during the semester.

Recommended literature:

Course language:

Slovak or Czech or English

Notes:

Course assessment

Total number of assessed students: 392

А	В	С	D	Е	FX
28.06	26.79	27.04	12.5	5.61	0.0

Provides: doc. Mgr. Michal Gallay, PhD., Mgr. Michaela Nováková, PhD.

Date of last modification: 27.06.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Ša	fárik Universi	ty in Košice				
Faculty: Faculty of	Science					
Course ID: ÚGE/ GEOM1/21	Course name: Geography					
Course type, scope Course type: Recommended co Per week: Per stu Course method: p	urse-load (ho 1dy period:					
Number of ECTS	credits: 2					
Recommended sen	nester/trimest	ter of the cours	e:			
Course level: I.						
Prerequisities:						
Conditions for cou	rse completio	on:				
Learning outcome	5:					
Brief outline of the	course:					
Recommended lite	rature:					
Course language:						
Notes:						
Course assessment Total number of ass		s: 19				
A	В	С	D	Е	FX	
21.05	10.53	5.26	31.58	26.32	5.26	
Provides:			1	<u>ــــــــــــــــــــــــــــــــــــ</u>		
Date of last modifi	cation: 27.06.	2022				
Approved: prof. M	gr. Jaroslav H	ofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.		

University: P. J. Šat	árik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ GNB/21	Course na	me: Geography	of Religion		
Course type, scope Course type: Lect Recommended co Per week: 1 / 1 Pe Course method: p	ure / Practice urse-load (h r study perie	ours):			
Number of ECTS of	credits: 3				
Recommended sem	ester/trimes	ter of the cours	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass	essed studen	ts: 20			
A	В	С	D	Е	FX
20.0	10.0	30.0	25.0	15.0	0.0
Provides: doc. Mgr.	Ladislav No	votný, PhD.		·	
Date of last modifie	cation: 27.06	.2022			
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice				
Faculty: Faculty of	Science					
Course ID: ÚGE/ GPOL/21	E/ Course name: Geography of agriculture and industry					
Course type, scope Course type: Lect Recommended co Per week: 1 / 1 Pe Course method: p	ture / Practice ourse-load (h er study perio	ours):				
Number of ECTS						
Recommended sem	nester/trimes	ster of the cours	e: 4.			
Course level: I.						
Prerequisities:						
Conditions for cou	rse completi	on:				
Learning outcome	s:					
Brief outline of the	e course:					
Recommended lite	rature:					
Course language:						
Notes:						
Course assessment Total number of as		ts: 13				
A	В	С	D	Е	FX	
30.77	15.38	23.08	15.38	15.38	0.0	
Provides: Mgr. Ma	rián Kulla, Pł	nD., doc. Mgr. La	dislav Novotný,	PhD.		
Date of last modifi	cation: 14.02	2.2023				
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.		

Faculty: Faculty of S	Science
Course ID: ÚGE/ MG/18	Course name: Geography of mining
Course type, scope a Course type: Lectur Recommended cou Per week: 2 Per stu Course method: pre	re rse-load (hours): Idy period: 28
Number of ECTS cr	redits: 2
Recommended seme	ester/trimester of the course: 3.
Course level: I.	
Prerequisities:	
is carried out during The final control is v is a weighted average	see completion: sed on a combination of continuous and final control. The continuous control the teaching part by written test with a share of 30 % of the final evaluation. written and constitutes 70 % of the final evaluation. The resulting evaluation e of the continuous (30 %) and final (70 %) controls. Credits will be awarded achieves the evaluation at the minimum level of the mark E in every part of
	with basic facts and knowledge of the history of mining science from the view to obtain information overview of the history of the Slovak and world mning
heyday in the Middl Empire, First World I the world "gold rush'	ns of the global mining industry, mining oldest written records of mining e Ages, the first mining maps, Slovak ore mining in the Austro-Hungarian Mining Academy in Banská Štiavnica mining and migration of the population, ', salt roads Europe, coal mining and electrification of industry, environmental hing devastation, mining open-air museums in Slovakia and Europe and their
Preklad z českého or 80-7225-218-6. Puzder, J., 2000: San Vozár, J., 2000: Zlatá 80-968421-4-5. Vozár, J., 2002: Kóde Banská agentúra, 200 Zícha, Z., 2005: Bac	ature: J., 2006: Georgius Agricola, Dvanásť kníh o baníctve a hutníctve. iginálu: Petr, K. a Petrová, M., Ostrava: Montanex a.s., 2006, 546s., ISBN nuel Mikovíni, život a dielo. Košice: FBERG TU Košice, 115s. á kniha baníctva. Košice: Tibor Turčan/Banská agentúra, 2000, 263s., ISBN ex mestského a banského práva Banskej Štiavnice. Košice: Tibor Turčan/ 02, 71s., ISBN 80-968621-2-X. k to the past. The history of technology and manpower in the mining is ot be forgotten. Ústí nad Labem: CDL Design s.r.o., 2005, 98p., ISBN

Course languag Slovak	ge:				
Notes: without notes					
Course assessm Total number of	nent f assessed studer	nts: 9			
А	В	C	D	Е	FX
77.78	11.11	11.11	0.0	0.0	0.0
Provides: doc.	Ing. Katarína Bó	nová, PhD.			•
Date of last mo	dification: 19.08	8.2020			
Approved: prof	f. Mgr. Jaroslav I	Hofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ MOG/21	Course na	me: Geography	of mining		
Course type, scope Course type: Lect Recommended co Per week: 2 Per s Course method: p	ture ourse-load (ho tudy period:	ours):			
Number of ECTS	credits: 2				
Recommended sen	nester/trimes	ter of the course	e: 2.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of as		ts: 7			
A	В	С	D	Е	FX
71.43	14.29	14.29	0.0	0.0	0.0
Provides: doc. Ing.	Katarína Bór	nová, PhD., Mgr.	Imrich Sládek, I	PhD.	1
Date of last modifi	cation: 16.02	.2023			
Approved: prof. M	gr. Jaroslav H	lofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

	COURSE INFORMATION LETTER
University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ OBY2/18	Course name: Geography of population and settlements
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	re / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cr	edits: 6
Recommended seme	ester/trimester of the course: 3.
Course level: I.	
Prerequisities:	
examination for the p participation of stude	t performance is carried out by combining ongoing review during the term of period of the semester. Continuous control consists of min. 80 % of the active ents in teaching and successfully solving assignments. If a student does not participation of teaching and successfully does not solve the given problem
Settlements. Students	uire theoretical and methodological basis of Geography of Population and s will acquire a basic spatial differentiation of population and settlements in to basic characteristics.
Distribution of popul balance natural move Population structure of Geography settlemen Geographical location morphology; Urban hierarchy of settlem methods of research) geographical interpret Seminars Seminars during the set	by as a science discipline; Trends and forecasts of the world population; lation; Natural and mechanical movement of population (natality, mortality, ement of the population, model of demographic cycle, population migration); on the basis of biological, cultural and economic characteristics; its as a scientific discipline; Settlement development and settlement systems; on of settlements; The structure of settlements by size, dynamics and geography (definition of city, creation of city and functions cities); The nents and Gravity; Urbanization (basic concepts, indicators, aspects and c; Rural settlement systems (compact and scattered rural settlements and their
UK, Bratislava, 221.	Ature: LÁDEK, J. 1989: Geografia obyvateľstva a sídel. Prírodovedecká fakulta ABOVÁ, Z. 1990: Geografie obyvatelstva, demografie, geografie sídel. MU,

MATLOVIČ, R. 2001: Geografia relígií. Fakulta humanitných a prírodných vied Prešovskej univerzity v Prešove. Prešov, 375.

MLÁDEK, J. 1992: Základy geografie obyvateľstva. SPN Bratislava, 230.

MLÁDEK, J. a kol. 2006: Atlas obyvateľstva Slovenska. UK Bratislava, 168.

MLÁDEK, J., KUSENDOVÁ, D., MARENČÁKOVÁ, J., PODOLÁK, P., VAŇO, B. 2006: Demogeografická analýza Slovenska. UK Bratislava, 222.

PAVLÍK, Z., RYCHTAŘÍKOVÁ, J., ŠUBRTOVÁ, A. 1986: Základy demografie. Academia Praha.

VOTRUBEC, C. 1980: Lidská sídla, jejich typy a rozmístnění ve světe. Academia Praha. SHORT, J. R. 1994: Lidská sídla. Velká geografická encyklopedie světa. Nakladatelský dům OP Praha

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 867

А	В	С	D	Е	FX
9.11	14.42	21.68	22.61	28.6	3.58

Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, doc. Mgr. Michal Gallay, PhD.

Date of last modification: 21.02.2018

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J.	Šafárik Univers	ity in Košice				
Faculty: Faculty	of Science					
Course ID: ÚGE GST/21	Course name: Geography of services and tourism					
Course type, sco Course type: Le Recommended Per week: 1 / 1 Course method	ecture / Practice course-load (h Per study perio	ours):				
Number of ECT	S credits: 3					
Recommended s	emester/trimes	ster of the cours	e: 5.			
Course level: I.						
Prerequisities:						
Conditions for c	ourse completi	on:				
Learning outcon	nes:					
Brief outline of t	he course:					
Recommended li	iterature:					
Course language	2:					
Notes:						
Course assessme Total number of	-	ts: 11				
A	В	С	D	Е	FX	
18.18	36.36	27.27	9.09	9.09	0.0	
Provides: Mgr. M PhD.	Iarián Kulla, Pł	nD., doc. Mgr. La	adislav Novotný,	PhD., doc. Mgr.	Michal Gallay	
Date of last mod	ification: 27.06	5.2022				
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.		

University: P. J. S	Šafárik Univers	ity in Košice					
Faculty: Faculty	of Science						
Course ID: ÚGE GCR/12	E/ Course name: Geography of the Czech Republic						
Course type, sco Course type: Le Recommended Per week: 2 / 1 Course method	cture / Practice course-load (he Per study perio	ours):					
Number of ECT	S credits: 4						
Recommended se	emester/trimes	ster of the cours	e: 5.				
Course level: I.							
Prerequisities:							
Conditions for co	ourse completi	on:					
Learning outcon	ies:						
structure and the Czech Republic, u present landscape History of settler and religious str development. Eco and tourism.	relief evolution, underground wa e types. nents in the Cz ucture. Urban a onomiy of the co	, geomorphologie aters and mineral ech Republic fro and rural settlen	cal entities and u waters. Soils, ph om the historical nents. Administ		drography of th d zoogeography tional, linguisti nd its historica		
Recommended li							
Course language	•						
Notes: Course assessme Total number of a	-	ts: 295					
А	В	С	D	Е	FX		
51.86	31.19	14.24	2.71	0.0	0.0		
					0.0		
	larián Kulla, Ph	D., Mgr. Imrich	I Sládek, PhD.		0.0		
Provides: Mgr. M Date of last mod			Sládek, PhD.		0.0		

University: P. J. Šar	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ GCR1/21	Course na	me: Geography	of the Czech Rep	oublic	
Course type, scope Course type: Lect Recommended co Per week: 2 / 1 Pe Course method: p	ure / Practice urse-load (h r study perie	ours):			
Number of ECTS of					
Recommended sem	ester/trimes	ster of the course	e: 5.		
Course level: I., II.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 11			
А	В	С	D	Е	FX
18.18	18.18	45.45	18.18	0.0	0.0
Provides: Mgr. Mar	ián Kulla, Pł	nD., doc. Mgr. La	dislav Novotný,	PhD.	1
Date of last modifie	cation: 27.06	5.2022			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter l	Pristaš, CSc.	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty o	f Science				
Course ID: ÚGE/ GAH/21	Course name: Geography of the atmosphere and hydrosphere				
Course type, scop Course type: Lec Recommended c Per week: 3 / 1 P Course method:	cture / Practice ourse-load (h er study perio	ours):			
Number of ECTS	credits: 6				
Recommended se	mester/trimes	ster of the cours	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcom	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 68			
A	В	С	D	Е	FX
2.94	22.06	35.29	33.82	5.88	0.0
Provides: RNDr. I Mgr. Jaroslav Hofi					ocentka, prof.
Date of last modif	fication: 27.06	5.2022			
Approved: prof. N	Agr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ GPED/21	Course na	me: Geography	of the pedospher	e and biosphere	
Course type, scope Course type: Lect Recommended co Per week: 3 / 1 Pe Course method: p	ure / Practice ourse-load (h er study perio	ours):			
Number of ECTS	credits: 6				
Recommended sen	nester/trimes	ster of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 41			
A	В	С	D	Е	FX
0.0	4.88	14.63	34.15	24.39	21.95
Provides: RNDr. D	ušan Barabas	, CSc., doc. Mgr.	Michal Gallay,	PhD.	1
Date of last modifi	cation: 13.02	2.2023			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šaf	árik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚGE/ SGI2/21	Course name: Geoinforma	tics seminar		
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: p	ice urse-load (hours): udy period: 28			
Number of ECTS c	redits: 3			
Recommended sem	ester/trimester of the cours	e: 6		
Course level: I.				
Prerequisities:				
Conditions for cour	rse completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of ass	essed students: 0			
	abs	n		
	0.0	0.0		
Provides: doc. Mgr.	Michal Gallay, PhD., doc. R	NDr. Ján Kaňuk, PhD.		
Date of last modific	ation: 27.06.2022			
Approved: prof. Mg	gr. Jaroslav Hofierka, PhD., d	oc. RNDr. Peter Pristaš, CSc.		

Faculty: Faculty	of Science						
Course ID: ÚGI GEX1/07	E/ Course na	Course name: Geological excursion					
Course type, sco Course type: P Recommended Per week: Per Course methoo	ractice course-load (h study period:	ours):					
Number of ECT	S credits: 2						
Recommended	semester/trime	ster of the cours	e: 2.				
Course level: I.							
Prerequisities:							
Conditions for c	course complet	ion:					
Learning outco	mes:						
		the Western Ca	rpathian tectonic	units - Flysh be	lt Klippen hel		
Visiting of diffe Central Western know the process Recommended Regionálne geol ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al.,	rent localities ir Carpathians. V s of manufactur literature: ogické mapy SI 005: Exkurzný s va - Medvedia h , 1996: Geologie	n the Western Car Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kor nora. CompuGrap cká mapa Slovens eological Field te	1 localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000.	ining in Slovaki , ej geologickej sp MŽP SR, ŠGÚI	a and getting t poločnosti DŠ, Bratislava.		
Visiting of diffe Central Western know the process Recommended Regionálne geol ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al., COE, A. L. (ed.)	rent localities ir Carpathians. V s of manufactur literature: ogické mapy SI 005: Exkurzný s va - Medvedia h , 1996: Geologie) et al., 2010: Ge	Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kon nora. CompuGrap cká mapa Slovens	1 localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000.	ining in Slovaki , ej geologickej sp MŽP SR, ŠGÚI	a and getting t poločnosti DŠ, Bratislava.		
Central Western know the process Recommended Regionálne geol ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al.,	rent localities ir Carpathians. V s of manufactur literature: ogické mapy SI 005: Exkurzný s va - Medvedia h , 1996: Geologie) et al., 2010: Ge	Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kon nora. CompuGrap cká mapa Slovens	1 localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000.	ining in Slovaki , ej geologickej sp MŽP SR, ŠGÚI	a and getting t poločnosti DŠ, Bratislava.		
Visiting of diffe Central Western know the process Recommended Regionálne geol ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al., COE, A. L. (ed.) Course languag Notes:	rent localities ir Carpathians. V s of manufactur literature: ogické mapy SI 005: Exkurzný s va - Medvedia h , 1996: Geologie) et al., 2010: Ge e:	Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kon nora. CompuGrap cká mapa Slovens eological Field te	1 localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000.	ining in Slovaki , ej geologickej sp MŽP SR, ŠGÚI	a and getting t poločnosti DŠ, Bratislava.		
Visiting of diffe Central Western know the process Recommended Regionálne geol ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al., COE, A. L. (ed.) Course languag Notes:	rent localities ir Carpathians. V s of manufactur literature: ogické mapy SI 005: Exkurzný s va - Medvedia h , 1996: Geologie) et al., 2010: Ge e:	Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kon nora. CompuGrap cká mapa Slovens eological Field te	1 localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000.	ining in Slovaki , ej geologickej sp MŽP SR, ŠGÚI	a and getting t poločnosti DŠ, Bratislava.		
Visiting of diffe Central Western know the process Recommended Regionálne geol ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al., COE, A. L. (ed.) Course languag Notes: Course assessm Total number of	rent localities ir Carpathians. V s of manufactur literature: ogické mapy Sl 005: Exkurzný s va - Medvedia h , 1996: Geologia) et al., 2010: Ge e: ent assessed studer	Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kon nora. CompuGrap cká mapa Slovens eological Field te	l localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000. chniques. Wiley	ining in Slovaki ^{7.} ej geologickej sp MŽP SR, ŠGÚI -Blackwell, UK,	a and getting t poločnosti OŠ, Bratislava. 323 pp.		
Visiting of diffe Central Western know the process Recommended Regionálne geol ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al., COE, A. L. (ed.) Course languag Notes: Course assessm Total number of A 82.18	rent localities ir Carpathians. Was of manufactur literature: ogické mapy Sl 005: Exkurzný sva - Medvedia h , 1996: Geologia) et al., 2010: Ge e: ent assessed studer B 13.42	Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kon nora. CompuGrap cká mapa Slovens eological Field te nts: 477 C 2.73	l localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000. chniques. Wiley D	ining in Slovaki , ej geologickej sp MŽP SR, ŠGÚI -Blackwell, UK, E	a and getting t poločnosti DŠ, Bratislava. 323 pp. FX		
Visiting of diffe Central Western know the process Recommended ZEC, B. et al., 2 Zemplínska šíra BIELY, A. et al., COE, A. L. (ed.) Course languag Notes: Course assessm Total number of A	rent localities ir Carpathians. W s of manufactur literature: ogické mapy Sl 005: Exkurzný s va - Medvedia h , 1996: Geologia) et al., 2010: Go e: ent assessed studer B 13.42 ng. Katarína Bó	Visiting of several ring of the rocks. ovenska (1:50 00 sprievodca ku kon nora. CompuGrap cká mapa Slovens eological Field te nts: 477 C 2.73 nová, PhD.	l localities of m 0) + Vysvetlivky ngresu Slovensk h, Košice, 138s. ska, 1 : 500 000. chniques. Wiley D	ining in Slovaki , ej geologickej sp MŽP SR, ŠGÚI -Blackwell, UK, E	a and getting t poločnosti DŠ, Bratislava. 323 pp. FX		

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚGE/ GEX2/21	Course name: Geological	excursion	
Course type, scope Course type: Pract Recommended cou Per week: Per stu Course method: pr	ice urse-load (hours): dy period: 3d		
Number of ECTS c	redits: 2		
Recommended sem	ester/trimester of the cours	e: 2.	
Course level: I.			
Prerequisities:			
Conditions for cour	rse completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 55		
	abs	n	
	100.0	0.0	
Provides: doc. Ing.	Katarína Bónová, PhD.		
Date of last modific	cation: 27.06.2022		
Approved: prof. Mg	gr. Jaroslav Hofierka, PhD., d	oc. RNDr. Peter Pristaš, CSc.	

Faculty of ScienceCourse ID: ÚGE/ GMAP/13Course name: Geomorphological mappingCourse type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: presentNumber of ECTS credits: 2Recommended semester/trimester of the course: 4.	University: P. J. Šafárik University in Košice					
GMAP/13 Image: Construction of the second secon	Faculty: Faculty of Science					
Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 2		Course name: Geomorphological mapping				
	Course type: Pract Recommended cou Per week: 2 Per st	Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28				
Recommended semester/trimester of the course: 4	Number of ECTS credits: 2					
	Recommended sem	nester/trimester of the course: 4.				

Course level: I.

Prerequisities:

Conditions for course completion:

The evaluation of the subject consists of assessment of one main semestral work - geomorphological map of the area (50 p), 1 partial work (10 p) and report from the field mapping (40 p), the total amount of points is 100. The student has to aquire minimum of half points from each work. For successful graduation of the subject the student has to aquire 51 points and more.

Learning outcomes:

after the graduation of the subject the student should information applied to the praxis and be able to map area with the main aim of high quality map and the legenda.

Brief outline of the course:

The main of the subject is to understand the topic of the geomorphological mapping, geomorphological map and its importance. It deals with the history of the geomorphological mapping, maps in slovak and foreign literature, about theory and praxis of field works and maps compilation, creating of the geomorphological map legenda for different relief types. With help of graphical softwers we are working with morphometric and morphographic relief characeter, the morphogenetical nad morphodynamical interpretation of the geomorphological map. After the theoretical part of seminars there is practical field mapping in the scale of 1: 10 000 at the and of the semester.

Recommended literature:

DEMEK, J. (edit.), 1972: Manual of detailed geomorphological mapping. Academia, Brno, 344 s. MINÁR, J., 1995: Niektoré teoreticko-metodologické problémy geomorfológie vo väzbe na tvorbu komplexných geomorfologických máp. Acta Facultatis Rerum Naturalium Universitatis Comenianae, Geographica Nr. 36, Bratislava, 7-125.

SMITH, M., PARON P., GRIFFITHS, J., 2011: Geomorphological mapping – methods and applications. School of Geography, Geology and the Environment, Kingston University, UK. 610 s.

URBÁNEK, J., 1997: Geomorfologická mapa: niektoré problémy geomorfologického mapovania na Slovensku. Geografický časopis, 49, 3-4, 175-186.

ZAŤKO, M. et al. 1986: Obecná geomorfologická mapa a jej legenda. In: Cvičenia z fyzickej geografie. Prírodovedecká fakulta Univerzity Komenského, Bratislava. 43-53.

Course languag	ge:				
Notes:					
Course assessn Total number o	nent f assessed studen	ts: 13			
А	В	С	D	Е	FX
84.62	0.0	15.38	0.0	0.0	0.0
Provides: RND	r. Alena Gessert,	PhD., univerzitn	á docentka		•
Date of last mo	dification: 13.02	2.2023			
Approved: prot	f. Mgr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Universi	ty in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ GMP/21	Course na	me: Geomorpho	logical mapping		
Course type, scope Course type: Prac Recommended co Per week: 2 Per st Course method: p	tice urse-load (ho tudy period:	ours):			
Number of ECTS of	credits: 3				
Recommended sem	nester/trimes	ter of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completio	on:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		s: 9			
A	В	С	D	Е	FX
0.0	0.0	100.0	0.0	0.0	0.0
Provides: RNDr. A	lena Gessert,	PhD., univerzitn	á docentka		1
Date of last modified	cation: 27.06	.2022			
Approved: prof. M	gr. Jaroslav H	ofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty of	of Science				
Course ID: ÚGE/ GEM2/18	Course na	ame: Geomorpho	ology		
Course type, scop Course type: Lea Recommended o Per week: 2 / 2 F Course method:	cture / Practice course-load (h Per study peri	e ours):			
Number of ECTS	credits: 6				
Recommended se	mester/trimes	ster of the cours	e: 2.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcom	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Notes:					
Course assessmer Total number of a	-	ts: 1329			
A	В	С	D	E	FX
10.53	20.92	21.52	17.23	19.86	9.93
Provides: RNDr. A Katarína Bónová,		PhD., univerzitn	á docentka, Mg	. Imrich Sládek, l	PhD., doc. Ing.
Date of last modi	fication: 13.02	2.2023		_	
Approved: prof. N	Agr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Universi	ity in Košice			
Faculty: Faculty of	Science				
Course ID: KPE/ POŽ/21	Course na	me: Getting to k	mow the Student	t in Education	
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	tice ourse-load (he tudy period:	ours):			
Number of ECTS					
Recommended sen	nester/trimes	ter of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 53			
A	В	С	D	E	FX
75.47	13.21	3.77	0.0	0.0	7.55
Provides: PaedDr. 1	Michal Novoc	ký, PhD.			
Date of last modifi	cation: 12.03	.2024			
Approved: prof. M	gr. Jaroslav H	ofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚBEV/ Course name: Histolog HISE1/15	gy
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 2 Per study period: 42 / 28 Course method: present	
Number of ECTS credits: 6	
Recommended semester/trimester of the co	purse: 2.
Course level: I.	
Prerequisities: ÚBEV/CYT1/15	
Conditions for course completion: Oral examination	
Learning outcomes: To provide the students with knowledge of ba	asic morphology of tissues of animals.
 Brief outline of the course: Epithelium and glands. Connective tissue. Cartilage. Bone. Muscle. Nervous Tissue. Blood and hemopoiesis. Circulatory system. Lymphoid system. Endocrine system. Respiratory system. Integument. Digestive system. Urinary system. Female reproductive system. Male reproductive system. Nervous system. Special senses. 	
1997	listology. W.B. Saunders Company, Philadelphia, Basic Histology. Prentice Hall International Inc., y, Lippincott Wiliams & Wilkins, 2011

Notes:

Course assessm Total number of	ent f assessed studen	ts: 577				
A	В	С	D	Е	FX	
16.81 14.21 14.38 19.06 23.92 11.61						
Provides: doc. RNDr. Zuzana Daxnerová, CSc., RNDr. Anna Alexovič Matiašová, PhD., doc. RNDr. Juraj Ševc, PhD.						
Date of last modification: 11.01.2022						
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.					

	COURSE INFORMATION LETTER
University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	science
Course ID: ÚBEV/ ACL/03	Course name: Human Anatomy
Course type, scope a Course type: Lectur Recommended cou Per week: 2 / 2 Per Course method: pro	re / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cr	redits: 5
Recommended seme	ester/trimester of the course: 3.
Course level: I.	
Prerequisities:	
overall ranking 3. elaboration and pro- 4. written exam (test, number of students) Final grade will be ca seminar paper (5) ar	s (20 points each) during semester, results of written exams contribute to the esentation of the seminar paper (max. 5 points to overall ranking), 55 points max.) during winter exam period; 3 regular exam dates (unlimited + 1 date for correction (for students, which failed in regular exam dates). alculated based on the total sum of earned points from written exams (20+20), nd test (55). Grading scale: A (100-91 points), B (90.5-81), C (80.5-71), D I), FX (50.5 and less)
an accurate idea about various systems. Stut human body in contect completion of the let	appletion of the lectures, student masters the systemic human anatomy and has at the arrangement of the individual organs in particular organ system, or across adent understands the function and basic physiology of particular organs in ext of both; evolution and processes occurring in cells and tissues. Successful ectures prepare students for further study of histology, animal physiology,
Brief outline of the c	logy, immunology, etc.

13. The sensory organs

Recommended literature:

Miklošová M.: Anatómia, vysokoškolská učebnica, UPJŠ, Equilibria, Košice, 2011 Ševc, J., Mochnacký, F.: Anatomické termíny pre jednoodborové a medziodborové štúdium biológie, UPJŠ, e-book (https://unibook.upjs.sk/sk), 2020

Kluchová, D. a kol.: Anatómia trupu a končatín, UPJŠ, Equilibria, Košice, 2015 K. S. Saladin: Anatomy and Physiology: The Unity of Form and Function, Mc Graw-Hill; 3rd edition, 2004

Mráz, P. a kol.: Anatómia ľudského tela 1-3, Slovak Academic Press, 2015-2021

Course language:

Notes:

Course assessment

Total number of assessed students: 2014

А	В	С	D	Е	FX
6.11	16.93	26.66	24.98	22.05	3.28

Provides: doc. RNDr. Juraj Ševc, PhD., RNDr. Anna Alexovič Matiašová, PhD.

Date of last modification: 07.09.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ EXH/21	Course na	me: Human Geo	graphy Excursio	on	
Course type, scope Course type: Prac Recommended co Per week: Per stu Course method: p	tice ourse-load (h udy period: (ours):			
Number of ECTS					
Recommended sen	nester/trimes	ster of the course	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 49			
A	В	С	D	E	FX
55.1	30.61	14.29	0.0	0.0	0.0
Provides: Mgr. Mar	rián Kulla, Pł	nD., doc. Mgr. La	dislav Novotný,	PhD.	
Date of last modifi	cation: 27.06	5.2022			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty of	of Science				
Course ID: ÚGE/ EXHG1/15	Course na	ame: Human Geo	ography Excursion	on	
Course type, scop Course type: Pra Recommended c Per week: Per s Course method:	actice course-load (h tudy period: (ours):			
Number of ECTS	credits: 3				
Recommended se	mester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcom	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Notes:					
Course assessmer Total number of a	-	ts: 790			
A	В	С	D	E	FX
78.99	11.14	7.59	0.89	0.76	0.63
Provides: RNDr. S PhD., RNDr. Janet			,		slav Novotný,
Date of last modi	fication: 03.05	5.2015			
Approved: prof. N	Agr. Jaroslav F	Hofierka, PhD. d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE/ HGS/15	Course na	ame: Human Geo	ography of Slova	kia	
Course type, scop Course type: Le Recommended o Per week: 3 / 1 Course method:	cture / Practice course-load (h Per study peri present	ours):			
Number of ECTS					
Recommended se	emester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcom	ies:				
Brief outline of the	he course:				
Recommended li	terature:				
Course language	:				
Notes:					
Course assessmen Total number of a		ts: 543			
A	В	С	D	E	FX
4.24	10.5	18.97	34.99	26.89	4.42
Provides: Mgr. Mgr. Loránt Pregi	· · · · · · · · · · · · · · · · · · ·	,		cká, PhD., univer	zitná docentka,
Date of last modi	fication: 31.03	3.2020			
Approved: prof. 1	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. S	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE/ HGS1/21	Course na	me: Human Geo	ography of Slova	kia	
Course type, scop Course type: Le Recommended Per week: 2 / 1 Course method	ecture / Practice course-load (h Per study peri : present	ours):			
Number of ECTS					
Recommended se	emester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcom	nes:				
Brief outline of t	he course:				
Recommended li	terature:				
Course language	:				
Notes:					
Course assessme Total number of a	-	ts: 40			
A	В	С	D	Е	FX
2.5	7.5	27.5	25.0	37.5	0.0
Provides: RNDr. doc. Mgr. Ladisla			univerzitná doce	entka, Mgr. Maria	an Kulla, PhD.,
Date of last modi	ification: 27.06	5.2022			
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J.	Šafárik Univers	sity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGI HUGN/15	E/ Course n	ame: Human geo	graphy (Non-pro	oduction Systems	5)
Course type, sco Course type: L Recommended Per week: 2 / 1 Course method	ecture / Practice course-load (h Per study per	e 1ours):			
Number of ECT	S credits: 3				
Recommended	semester/trime	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for c	ourse complet	ion:			
Learning outco	mes:				
Brief outline of	the course:				
Biz books, 545 s HALÁS, M., 20 Philosopher Uni HALL, C.M P and New York, 3 HAVRLANT, J. Ostravská unive MARIOT, P., 19 OTRUBOVÁ, E cestovného ruch	5. 00: Zahraničný versity Nitra, s. PAGE, S.J. 2002 399 p. , 2007: Geograf rzita, 41 s. 183: Geografia c E., 2003: Humár u). Prírodovede	RICHIE, J.R., 20 obchod SR s ČR 98-107. The geography fie cestovního ruc cestovného ruchu na geografia II (ceká fakulta UPJŠ 2001: Geografie	. Geographical S of tourism and re hu I. Základy geo Veda, Bratislava Geografia zahran 5, Košice, 105 s.	tudies 7, Constar ecreation, 2. editi ografie cestovníh a, 224 s. ičného obchodu,	ntine the Ion, London Io ruchu, Geografia
Course languag	e:				
Notes:					
Course assessm Total number of		nts: 519			
А	В	C	D	Е	FX
17.15	22.93	27.55	20.81	10.4	1.16
Provides: Mgr. N	Marián Kulla, P	hD., prof. RNDr.	Peter Spišiak, C	Sc., Bc. Martina	Gregáňová

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

	COURSE INFORMATION LETTER
University: P. J. Šafá	arik University in Košice
Faculty: Faculty of S	Science
Course ID: ÚGE/ HUG2a/05	Course name: Human geography (productive sphere)
Course type, scope a Course type: Lectur Recommended cou Per week: 3 / 1 Per Course method: pre	re / Practice prse-load (hours): p study period: 42 / 14
Number of ECTS cr	edits: 5
Recommended seme	ester/trimester of the course: 4.
Course level: I.	
Prerequisities:	
Conditions for cours	se completion:
Learning outcomes:	
industry. Relationshi world economy. Dev	he industry in Slovakia. Geographical characteristics of selected types of ip of industry and environment. Trends in development and problems of the velopment of agriculture and regularities of distribution of agricultural lands intries and their typology. The land use map. Geography of forests and it
Recommended litera FALKOWSKI, J., KO p. KNOX, P., L., et al. 2 International Edition KOREC, P. 1994: Hu Bratislava, 120 s. MIRVALD, S., 2002 MIRVALD, S., 2002 POPJAKOVÁ, D., 1 SPIŠIAK, P., 2005: Z Prírodovedecká faku	OSTROWICKI, J., 2001: Geografia rolnictwa świata. PWN, Warszawa, 516 2010: Human geography. Places and regions in Global Context. pearson
Course language:	

Course assessment Total number of assessed students: 688								
A B C D E FX								
8.14	8.14 20.64 28.92 27.47 12.21 2.62							
Provides: Mgr.	Provides: Mgr. Marián Kulla, PhD., Bc. Martina Gregáňová							
Date of last modification: 29.03.2020								
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.				

University: P. J. Ša	fárik Universi	ity in Košice			
Faculty: Faculty of	Science				
Course ID: KPE/ INP/17	Course na	me: Inclusive Po	edagogy		
Course type, scope Course type: Prac Recommended co Per week: 2 Per st Course method: p	tice urse-load (ho tudy period:	ours):			
Number of ECTS of	credits: 2				
Recommended sem	nester/trimes	ter of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		s: 107			
A	В	С	D	Е	FX
69.16	22.43	3.74	1.87	2.8	0.0
Provides: PaedDr. 1	Michal Novoc	ký, PhD.			
Date of last modified	cation: 12.03	.2024			
Approved: prof. M	gr. Jaroslav H	ofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šat	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: KPE/ IIŠP/21	Course na	me: Integration	and Inclusion in	School Practice	
Course type, scope Course type: Prac Recommended co Per week: 2 Per st Course method: p	tice urse-load (h tudy period:	ours):			
Number of ECTS of	credits: 2				
Recommended sem	ester/trimes	ter of the cours	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	s:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 52			
A	В	С	D	Е	FX
36.54	38.46	15.38	7.69	1.92	0.0
Provides: PaedDr. N	Michal Novo	cký, PhD.		·	
Date of last modified	cation: 12.03	.2024			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice				
Faculty: Faculty of	Science					
Course ID: ÚGE/ ZAE1/18	E/ Course name: International Excursion 1					
Course type, scope Course type: Prac Recommended co Per week: Per stu Course method: p	tice urse-load (h 1dy period: 1	ours):				
Number of ECTS of	credits: 5					
Recommended sen	nester/trimes	ster of the course	e: 4.			
Course level: I.						
Prerequisities:						
Conditions for cou	rse completi	on:				
Learning outcome	s:					
Brief outline of the	course:					
Recommended lite	rature:					
Course language:						
Notes:						
Course assessment Total number of ass		ts: 22				
A	В	С	D	Е	FX	
50.0	50.0 18.18 18.18 9.09 4.55 0.0					
Provides:				·		
Date of last modified	cation: 27.06	5.2022				
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.		

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZEX1/21	Course name: Internationa	Course name: International Excursion 1			
Course type, scope Course type: Pract Recommended cou Per week: Per stu Course method: p	tice urse-load (hours): dy period: 10d				
Number of ECTS c	redits: 4				
Recommended sem	ester/trimester of the cours	e: 4			
Course level: I.					
Prerequisities:	Prerequisities:				
Conditions for cour	rse completion:				
Learning outcomes	:				
Brief outline of the	course:				
Recommended liter	rature:				
Course language:					
Notes:					
Course assessment Total number of ass	essed students: 14				
abs n					
92.86 7.14					
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Marián Kulla, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.					

University: P. J. Šafá	rik University in Košice				
Faculty: Faculty of S	Faculty: Faculty of Science				
Course ID: ÚBEV/ VEK1/03	Course name: Introduction to Ecology				
Course type, scope a Course type: Lectur Recommended cour Per week: 3 Per stu Course method: pre	re rse-load (hours): dy period: 42 esent				
Number of ECTS cr Recommended seme	ster/trimester of the course:				
Course level: I., II.					
Prerequisities:					
Conditions for cours oral examination	e completion:				
Learning outcomes:					

Fundamental parameters and relations in ecological science. Abiotic, biotic and anthropogenic factors in air, aquatic and terrestrial/soil environment. Autecology, Demecology and Synecology. Ecosystem and Nature Protection.

Brief outline of the course:

Ecological factors and relations in environment (air, water, soil); influence of ecological factors on individuals (morphological adaptations, behavioral reactions); populations and communities; ecosystems (impact assessment); conservation and biodiversity.

1. Basic ecological terms. 2. Characterisation of the basic ecological factors (light, temperature, water). 3. Air environment (composition of atmosphere, physical and chemical factors, air pollutants, organisms and their adaptations in air environment). 4. Aquatic environment (water properties physical and chemical factors, gases in water, water pollutants, eutrophication and saprobity, aquatic organisms). 5. Soil environment (physical and chemical properties, soil profile, humus layer, soil pollutants, soil organisms and their adaptations). 6. Characterization of Populations, structure and ppuatin dynamics. 7.Biocenoses and biotops. 8. Qualitative and quantitative community characteristics. 9. Ecosystems. 10. Biomes and their characteristics, 11. Bidiversity-factors affecting biodiversity, Species-Area relationships. 12. Biodiversity protection.13. Biospheric cycles.

Recommended literature:

Begon, M., Harper, J. L., Townsend, C. L.: Ecology: individuals, populations, and communities. Blackwell Sci. Publ., 1990

Course language:

Notes:

Course assessm	nent f assessed studen	ts [.] 1825				
ABCDEFX						
20.99	99 17.64 24.93 17.21 11.73 7.51					
Provides: RNDr. Natália Raschmanová, PhD., doc. RNDr. Marcel Uhrin, PhD., univerzitný profesor						
Date of last modification: 16.03.2023						
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.						

	COURSE INFORMATION LETTER
University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ UGIS/15	Course name: Introduction to Geographic Information Systems
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 3
Recommended seme	ster/trimester of the course: 2.
Course level: I.	
Prerequisities:	
assessment is based o From the practical sk least 80 points to get get E. The credits sha	e completion: students will need to hand in the outputs of the practicals. The resulting n the final practical skills verification and delivery of the outputs of practicals. ills verification, students must obtain at least 90 points to get the A mark, at B, at least 70 points to get C, at least 60 points to get D, at least 50 points to ll not be granted to a student who does not hand in one or more outputs of the vill get less than 50 points out of 100.
•	utcomes include understanding of GIS terminology, practical skills in basic n GIS software. In particular, the skills involve data editing and creation of
elements, attribute tal - Basic control eleme adjusting color data la - Prepare and connect - Set the legend (select	ourse: logy (eg. geodata layer, geodata formats, structure of GIS, graphics map ble, structure of relational databases) nts of GIS software (add and configure a data layer and properties, zooming, ayer, display and basic work with attribute tables) t an external database with the data layer ction of cartographic methods of spatial information) ts and advanced graphics tools for creating map layouts
Filozofa v Nitre, Fak BOLTIŽIAR, M. VO Univerzita Konštantín MICHAEL D. KENN Workbook Approach	Ature: 8: Geografické informačné systémy pre geografov I. Univerzita Konštantína ulta Prírodných vied. 120 s. JTEK M. 2009. Geografické informačné systémy pre geografov II. na Filozofa v Nitre, Fakulta Prírodných vied. 140 s. NEDY. 2013:Introducing Geographic Information Systems with ArcGIS: A to Learning GIS, 3rd Edition. Wiley. 672 p. A. 2013:Getting to Know ArcGIS for Desktop. Edition 3. Esri Press. 768 p.
Course language:	
Notes:	

Course assessment Total number of assessed students: 884							
А	A B C D E FX						
13.91	14.03	25.9	22.85	20.48	2.83		
Provides: doc.]	Provides: doc. Mgr. Michal Gallay, PhD., doc. RNDr. Ján Kaňuk, PhD.						
Date of last modification: 27.06.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.							

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ UGP/18	/ Course name: Introduction to Geography and Planetary Geography				
Course type, scope Course type: Lect Recommended co Per week: 1 / 1 Pe Course method: p	ure / Practice urse-load (h er study perio	ours):			
Number of ECTS of	credits: 2				
Recommended sem	nester/trimes	ster of the cours	e: 1.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 448			
A	В	С	D	Е	FX
35.94	35.94 27.9 18.08 12.05 5.8 0.22				
Provides: prof. Mg	r. Jaroslav Ho	ofierka, PhD., Mg	gr. Štefan Koleča	nský	
Date of last modified	cation: 27.06	.2022			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter l	Pristaš, CSc.	

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: Dek. PF Course name: Introduction to Study of Sciences UPJŠ/USPV/13					
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: Per study period: 12s / 3d Course method: present					
Number of ECTS cr	edits: 2				
Recommended seme	ster/trimester of the cours	e: 1.			
Course level: I.					
Prerequisities:					
Conditions for cours	e completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	ture:				
Course language:					
Notes:					
Course assessment Total number of assessed students: 2196					
abs n					
89.34 10.66					
Provides: doc. RNDr. Marián Kireš, PhD.					
Date of last modification: 30.08.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.					

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ UDID/21	E/ Course name: Introduction to the didactics of geography				
Course type, scope Course type: Lect Recommended co Per week: 1 / 1 Pe Course method: p	ure / Practice urse-load (h er study perio	ours):			
Number of ECTS					
Recommended sen	nester/trimes	ter of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	S:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 8			
A	В	С	D	Е	FX
50.0	50.0 50.0 0.0 0.0 0.0 0.0				
Provides: RNDr. St	ela Csachová	, PhD., doc. RNI	Dr. Ján Kaňuk, P	hD.	1
Date of last modifi	cation: 27.06	.2022			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šaf	árik Univers	ity in Košice				
Faculty: Faculty of	Science					
Course ID: ÚGE/ LOS/18	Course name: Linux and open source GIS					
Course type, scope Course type: Pract Recommended co Per week: 2 Per st Course method: p	tice urse-load (h tudy period:	ours):				
Number of ECTS o	credits: 3					
Recommended sem	ester/trimes	ster of the course	e: 3.			
Course level: I.						
Prerequisities:						
Conditions for cou	rse completi	on:				
Learning outcomes	:					
Brief outline of the	course:					
Recommended lite	rature:					
Course language:						
Notes:						
Course assessment Total number of ass	essed studen	ts: 70				
A	В	С	D	Е	FX	
61.43	61.43 34.29 4.29 0.0 0.0 0.0					
Provides: Mgr. Mic	haela Novák	ová, PhD., prof. N	Mgr. Jaroslav Ho	ofierka, PhD.	1	
Date of last modifie	cation: 30.09	.2021				
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.		

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	
Course ID: ÚMV/ MTB/13	Course name: Mathematics for biologists
Course type, scope a Course type: Lectur Recommended cou Per week: 2 / 2 Per Course method: pro	re / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cr	redits: 5

Recommended semester/trimester of the course: 2., 4., 6.

Course level: I.

Prerequisities:

Conditions for course completion:

In the covered areas of mathematics, skills in solving standard problems related to given topics are required.

Evaluation based on the results of two tests (during the semester): A ... at least 80%, B ... at least 70%, C ... at least 60%, D ... at least 50%, E ... at least 40%, FX ... less than 40% .

Learning outcomes:

Short introduction to mathematics, mathematical problem solving strategies and their applications to solving problems in biology and other sciences. Introduction to the computer algebra system MAPLE.

Brief outline of the course:

- (week 1) Basic terms

- (week 2) Geometry in the plane (vectors, lines in the plane and their representations)

- (week 3) Systems of linear equations (linear equation and inequality, system of linear equations, Gaussian elimination)

- (week 4-6) Functions (monotonicity, local extrema, function composition, inverse function, elementary functions and their properties)

- (week 7) Combinatorics (binomial theorem, combinations and permutations without / with repetition, inclusion-exclusion principle)

- (week 8) Sequences and series (monotonicity and boundedness, recurrent sequence, geometric series)

- (week 9) Limit (limit of a sequence, limit of function, convergence, divergence, methods for computing limits, continuity)

- (week 10-11) Derivatives (sum, product, quotient and chain rule, derivatives of elementary functions, Taylor polynomial, analysis of functions)

- (week 12) Integrals (indefinite integral, integration methods: by substitution, by parts, by partial fractions; definite integral)

- (week 13-14) Ordinary differential equations (first order separable ODE, first order linear ODE)

Recommended literature:

E. Bohl, Mathematik in der Biologie, Springer, Berlin Heidelberg, 2006.

D. Studenovská, T. Madaras, S. Mockovčiak: Zbierka úloh z matematiky pre nematematické odbory, UPJŠ 2006.

D. Studenovská, T. Madaras: Matematika pre nematematické odbory, UPJŠ 2006.

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 761

А	В	С	D	Е	FX	
12.88	12.75	15.9	20.5	28.38	9.59	
Provides: RNDr. Igor Fabrici, Dr. rer. nat., univerzitný docent, RNDr. Miriam Kleinová, RNDr.						

Jana Borzová, PhD., RNDr. Matej Slabý

Date of last modification: 28.10.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Ša	fárik Univers	ity in Košice					
Faculty: Faculty of	Science						
Course ID: KPE/ MKŠP/21	Course name: Mentoring and Coaching in School Practice						
Course type, scope Course type: Prac Recommended co Per week: 2 Per st Course method: p	tice urse-load (he tudy period: present	ours):					
Number of ECTS of							
Recommended sem	nester/trimes	ter of the course	e: 5.				
Course level: I.							
Prerequisities:							
Conditions for cou	rse completi	on:					
Learning outcomes	5:						
Brief outline of the	course:						
Recommended lite	rature:						
Course language:							
Notes:							
Course assessment Total number of ass		ts: 62					
А	В	С	D	Е	FX		
83.87	12.9	3.23	0.0	0.0	0.0		
Provides: Mgr. Kat	arína Petríkov	vá, PhD.					
Date of last modified	cation: 12.03	.2024					
Approved: prof. M	gr. Jaroslav H	lofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.			

University: P. J. Ša	fárik Univers	ity in Košice					
Faculty: Faculty of	Science						
Course ID: ÚGE/ MPG/21	E/ Course name: Metageography and planetary geography						
Course type, scope Course type: Lect Recommended co Per week: 1 / 1 Pe Course method: p	ure / Practice urse-load (h er study perio	ours):					
Number of ECTS	credits: 2						
Recommended sem	nester/trimes	ster of the cours	e: 1.				
Course level: I.							
Prerequisities:							
Conditions for cou	rse completi	on:					
Learning outcomes	5:						
Brief outline of the	course:						
Recommended lite	rature:						
Course language:							
Notes:							
Course assessment Total number of ass		ts: 132					
A	В	С	D	Е	FX		
42.42	45.45	9.09	0.76	0.0	2.27		
Provides: prof. Mg	r. Jaroslav Ho	ofierka, PhD., Mg	gr. Katarína Onad	čillová, PhD.			
Date of last modified	cation: 27.06	0.2022					
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.			

University: P. J. Š	afárik Univers	ity in Košice					
Faculty: Faculty of	of Science						
Course ID: ÚGE/ HGV/21	Course na	Course name: Methods of human geographical research					
Course type, scop Course type: Pra Recommended o Per week: 3 Per Course method:	nctice course-load (h study period:	ours):					
Number of ECTS	credits: 3						
Recommended se	mester/trimes	ster of the cours	e: 6.				
Course level: I.							
Prerequisities:							
Conditions for co	urse completi	on:					
Learning outcom	es:						
Brief outline of th	ne course:						
Recommended lit	terature:						
Course language:							
Notes:							
Course assessmen Total number of a		ts: 15					
A	В	С	D	E	FX		
100.0	0.0	0.0	0.0	0.0	0.0		
Provides: RNDr. S Dická, PhD., unive			,	,			
Date of last modi	fication: 27.06	5.2022					
Approved: prof. N	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	· Pristaš, CSc.			

University: P. J. Š	afárik Univers	ity in Košice				
Faculty: Faculty of	of Science					
Course ID: ÚGE/ FGV/21	E/ Course name: Methods of physical geographical research					
Course type, scop Course type: Pra Recommended of Per week: 3 Per Course method:	actice course-load (h study period:	ours):				
Number of ECTS	credits: 3					
Recommended se	emester/trimes	ster of the cours	e: 5.			
Course level: I.						
Prerequisities:						
Conditions for co	urse completi	on:				
Learning outcom	es:					
Brief outline of th	ne course:					
Recommended lit	terature:					
Course language:						
Notes:						
Course assessmen Total number of a		ts: 13				
А	В	С	D	E	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides: RNDr. Ing. Katarína Bóne		, CSc., RNDr. A	lena Gessert, Ph	D., univerzitná do	ocentka, doc.	
Date of last modi	fication: 27.06	5.2022				
Approved: prof. N	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.		

University: P. J. Šafárik University in Košice							
Faculty: Faculty of	Science						
Course ID: ÚGE/ MTK/21Course name: Methods of thematic cartography							
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	tice urse-load (hours): rudy period: 28						
Number of ECTS c	redits: 3						
Recommended sem	ester/trimester of the course: 2.						
Course level: I.							

Prerequisities:

Conditions for course completion:

The evaluation is based on the submitted assignments from the exercises.

Exercises are realized in the form of regular teaching, the introduction of the exercise is devoted to the theoretical basis, followed by the practical part of the exercise, which aims to work with spatial data in order to create a thematic map. During the semester, students will receive assignments aimed at creating a thematic map using selected methods of thematic cartography. Students submit assignments on an ongoing basis. Each assignment is evaluated separately. In order for the assignment to be accepted, it is necessary to obtain a minimum grade E from each assignment. The final evaluation is the average of the evaluation of individual assignments. Credits will be awarded only to a student who achieves a grade of at least E in the overall evaluation. Rating scale: A (100-91%), B (81-90%,) C (71-80%), D (61-70 %), E (51-60%).

Learning outcomes:

Knowledge: The student will gain knowledge and skills from thematic cartography. They will get acquainted with the theoretical aspects of the content and principles of creating thematic maps. He will gain theoretical foundations and an overview of various aspects of thematic cartography, such as color theory in cartography, types of scales and division of the statistical file into intervals. They will get acquainted with the means of expression cartographic and methods of thematic cartography and gain an overview of the use of dynamic elements of cartographic visualization. Skills: The student will learn to create thematic maps using GIS professionally and cartographically correctly. Can evaluate the suitability of the cartographic method for the representation of various geographical phenomena and determine the optimal procedure for creating thematic maps. Competences: The student is able to evaluate the thematic maps and the suitability of the methods of thematic cartography with a high degree of independence. He will get acquainted with professional terminology in the field of thematic cartography of geodesy, geoinformatics and cartography.

Brief outline of the course:

Exercises: Introduction to thematic cartography (content and types of thematic maps, phases and principles of creating thematic maps, compiling the content of the thematic map); Means of expression; Colors in maps; Scales (data evaluation, division of scales, creation of interval and

functional scales, methods for plotting extremes in a statistical file); Legend of thematic maps; Point character method; Line character method; Area character method; Comma method; Isolinia method; Cartographs and cartograms method; Cartographic anamorphosis and cartotypogram method; methods for expressing the dynamics of spatial phenomena; Description in maps; composition of thematic maps; Geospatial data topology control and map generalization. Evaluation of maps and atlases; Animations, interactive maps and virtual reality in cartography.

Recommended literature:

VOŽENÍLEK, V. (2005). Cartography for GIS: geovisualization and map communication. Olomouc, Vydavatelství UP.

KRAAK, M.J., ORMELING, F. (2003). Cartography. Visualization of Geospatial Data. Harlow. Prentice Hall, Pearson Education.

PETERSON, M. P. ET AL. (1995). Interactive and Animated Cartography. Upper Saddle River Prentice Hall.

VOŽENÍLEK, V., KAŇOK, J. A KOL. (2012). Metody tematické kartografie: vizualizace prostorových informací. Olomouc, Univerzita Palackého v Olomouci.

SLOCUM, T.A. ET AL. (2002). Thematic Cartography and Visualization. Upper Saddle River, Pearson/Prentice Hall.

Course language:

Notes:

Course assessment

Total number of assessed students: 10

А	В	С	D	Е	FX			
70.0	20.0	0.0	0.0	0.0	10.0			
Provides: doc.	Provides: doc. RNDr. Ján Kaňuk, PhD., Mgr. Jozef Šupinský, PhD.							
Date of last mo	Date of last modification: 27.06.2022							

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

	. Šafárik Univers	sity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚBEV/ MKV/15Course name: Microbiology and basics of virology							
Course type: I Recommended	cope and the met Lecture / Practice d course-load (h 2 Per study perio d: present	e ours):					
Number of EC	TS credits: 5						
Recommended	semester/trimes	ster of the cours	e: 3., 5.				
Course level: I.							
Prerequisities:	ÚBEV/CYT1/15	5					
	course completi practicals (at le	on: east 90%), 2 wr	itten examinati	ons during sem	ester, final oral		
Learning outco	mes:						
Students will of their cytology, p	btain a basic info physiology, gener	ormations on viru tics, ecology, clas nisms will be pro	sification, and in				
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary	btain a basic info physiology, gener dying microorga the course: yotic and eukaryo	tics, ecology, clas	sification, and in vided. ms, their cytolog	gy, physiology, ge	mation on basic		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary	btain a basic info ohysiology, genet dying microorga the course: yotic and eukaryo The importance o	tics, ecology, clas nisms will be pro	sification, and in vided. ms, their cytolog	gy, physiology, ge	mation on basic		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokar classification. T	btain a basic info obysiology, genet dying microorga the course: yotic and eukaryo The importance of literature:	tics, ecology, clas nisms will be pro	sification, and in vided. ms, their cytolog	gy, physiology, ge	mation on basic		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary classification. T Recommended Course languag	btain a basic info obysiology, genet dying microorga the course: yotic and eukaryo The importance of literature:	tics, ecology, clas nisms will be pro	sification, and in vided. ms, their cytolog	gy, physiology, ge	mation on basic		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary classification. T Recommended Course languag Notes: Course assessm	btain a basic info obysiology, genet dying microorga The course: yotic and eukaryo The importance of literature: ge:	tics, ecology, clas nisms will be pro otic microorganis f microorganisms	sification, and in vided. ms, their cytolog	gy, physiology, ge	mation on basic		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary classification. T Recommended Course languag Notes: Course assessm	btain a basic info obysiology, genet dying microorga The course: yotic and eukaryo The importance of literature: ge:	tics, ecology, clas nisms will be pro otic microorganis f microorganisms	sification, and in vided. ms, their cytolog	gy, physiology, ge	mation on basic		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary classification. T Recommended Course languag Notes: Course assessm Total number of	btain a basic info obysiology, genet dying microorga The course: yotic and eukaryo The importance of literature: ge: nent f assessed studen	tics, ecology, clas nisms will be pro otic microorganis f microorganisms	sification, and in vided. ms, their cytolog for humans and	mportance . Infor gy, physiology, ge l environment.	enetics, ecology,		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary classification. T Recommended Course languag Notes: Course assessm Total number of A 24.07 Provides: doc. I	btain a basic info obysiology, genet dying microorga The course: yotic and eukaryo The importance of literature: ge: nent f assessed studen B 13.47 RNDr. Peter Prist	tics, ecology, clas nisms will be pro otic microorganis f microorganisms ts: 1500	bification, and invided. ms, their cytolog for humans and D 18.93 Mária Piknová,	E 20.93	FX 4.27		
Students will of their cytology, p methods for stu Brief outline of Viruses, prokary classification. T Recommended Course languag Notes: Course assessm Total number of A 24.07 Provides: doc. I Kolesárová, PhI	btain a basic info obysiology, genet dying microorga The course: yotic and eukaryo The importance of literature: ge: nent f assessed studen B 13.47 RNDr. Peter Prist	tics, ecology, class nisms will be pro otic microorganis f microorganisms tts: 1500 C 18.33 taš, CSc., RNDr. Maliničová, PhD	bification, and invided. ms, their cytolog for humans and D 18.93 Mária Piknová,	E 20.93	FX 4.27		

University: P. J. Ša	fárik Univers	ity in Košice					
Faculty: Faculty of	Science						
Course ID: ÚGE/ MKR/21	E/ Course name: Microgeography						
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	tice urse-load (h tudy period:	ours):					
Number of ECTS	credits: 3						
Recommended sen	nester/trimes	ster of the course	e: 6.				
Course level: I.							
Prerequisities:							
Conditions for cou	rse completi	on:					
Learning outcome	5:						
Brief outline of the	course:						
Recommended lite	rature:						
Course language:							
Notes:							
Course assessment Total number of ass		ts: 23					
A	В	С	D	Е	FX		
60.87	39.13	0.0	0.0	0.0	0.0		
Provides: Mgr. Imr	ich Sládek, P	hD., doc. Mgr. L	adislav Novotný	, PhD.			
Date of last modifi	cation: 27.06	5.2022					
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.			

University: P. J. Šat	árik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ NSGE/15	Course na	me: Mineral Res	sources - geologi	ical and environn	nental relations
Course type, scope Course type: Lect Recommended co Per week: 2 / 1 Pe Course method: p	ure / Practice urse-load (h r study perio	ours):			
Number of ECTS of	credits: 4				
Recommended sem	ester/trimes	ter of the cours	e: 6.	_	
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass	essed studen	ts: 151			
A	В	С	D	Е	FX
41.72	25.17	21.19	9.27	0.66	1.99
Provides: doc. Ing.	Katarína Bór	nová, PhD.		1	1
Date of last modifie	cation: 30.09	.2021			
Approved: prof. Mg	gr. Jaroslav H	lofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J.	Šafárik Univers	ity in Kosice					
Faculty: Faculty	of Science						
Course ID: ÚBI MB1/01	EV/ Course name: Molecular Biology						
	ecture course-load (h r study period:	ours):					
Number of ECT	S credits: 4						
Recommended	semester/trimes	ster of the cours	e: 4.				
Course level: I.							
Prerequisities:							
Conditions for a Oral examinatio		on:					
Learning outcome To provide the expression and c	students with k	nowledge of mo	lecular basis of	inheritance and	control of gene		
replication and r	properties of in epair, transcripti		n. Prokaryotic ar	olecular mechar nd eukaryotic gen rcle.			
Recommended Lodish, H., Balt Freeman and Co	literature: imore, D., Berk, ompany, New Yo	A. et al.: Molecu ork, 1995	ılar Cell Biology	7. Sci. Amer. Boo hers Inc., New Y			
Course languag	e:						
Notes:							
		ts: 1127					
Course assessm		ts: 1127 C	D	E	FX		
Course assessm Total number of	assessed studen		D 19.34	E 30.17	FX 11.62		
Course assessm Total number of A 7.99 Provides: doc. R	assessed studen B 12.16 NDr. Peter Prist	C 18.72 taš, CSc., RNDr.	19.34 Mária Piknová,	30.17 PhD., RNDr. Zuz	11.62		
A 7.99	Assessed studen B 12.16 NDr. Peter Prist D., RNDr. Ján H	C 18.72 taš, CSc., RNDr. Košuth, PhD., RN	19.34 Mária Piknová,	30.17 PhD., RNDr. Zuz	11.62		

University: P. J. Ša	fárik Univers	ity in Košice					
Faculty: Faculty of	Science						
Course ID: ÚBEV/ MBGNm/22	EV/ Course name: Molecular Biology and Genetics						
Course type, scope Course type: Recommended co Per week: Per stu Course method: p	urse-load (h ıdy period:						
Number of ECTS	credits: 2						
Recommended sen	ester/trimes	ster of the cours	e:				
Course level: I.							
Prerequisities: ÚB	EV/CYT1/15	and ÚBEV/MB	1/01 and ÚBEV/	GE1/10			
Conditions for cou	rse completi	on:					
Learning outcome	5:						
Brief outline of the	course:						
Recommended lite	rature:						
Course language:							
Notes:							
Course assessment Total number of ass		ts: 18					
А	В	С	D	Е	FX		
33.33	22.22	27.78	5.56	5.56	5.56		
Provides:			1		1		
Date of last modifi	cation: 15.05	5.2023					
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.			

University: P. J. Ša	fárik Univers	ity in Košice				
Faculty: Faculty of	Science					
Course ID: KPE/ MMKV/17	Course name: Multiculturalism and Multicultural Education					
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	tice urse-load (h tudy period:	ours):				
Number of ECTS	credits: 2					
Recommended sen	nester/trimes	ster of the course	e: 4.			
Course level: I.						
Prerequisities:						
Conditions for cou	rse completi	on:				
Learning outcome	s:					
Brief outline of the	e course:					
Recommended lite	rature:					
Course language:						
Notes:						
Course assessment Total number of ass		ts: 202				
А	В	С	D	Е	FX	
41.09	44.06	13.37	0.99	0.5	0.0	
Provides: PaedDr. 1	Michal Novo	cký, PhD.				
Date of last modifi	cation: 12.03	.2024				
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.		

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: KPE/ Pg/15	Course na	me: Pedagogy			
Course type, scope Course type: Lect Recommended co Per week: 2 Per st Course method: p	ure urse-load (h tudy period:	ours):			
Number of ECTS of					
Recommended sem	nester/trimes	ster of the course	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 1139			
A	В	С	D	Е	FX
23.97	28.8	22.91	13.78	8.6	1.93
Provides: PaedDr. N	Michal Novo	cký, PhD., doc. P	aedDr. Renáta O	rosová, PhD.	•
Date of last modified	cation: 12.03	.2024			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šaf	ărik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚGE/ EXF/21	Course name: Physical C	Jeography Excursion
Course type, scope Course type: Pract Recommended co Per week: Per stu Course method: p	ice urse-load (hours): dy period: 6d	
Number of ECTS c	redits: 3	
Recommended sem	ester/trimester of the cou	•se: 4.
Course level: I.		
Prerequisities:		
Conditions for cou	rse completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of ass	essed students: 18	
	abs	n
	100.0	0.0
Provides: RNDr. Du Imrich Sládek, PhD.		Alena Gessert, PhD., univerzitná docentka, Mgr.
Date of last modific	ation: 27.06.2022	
Approved: prof. Mg	gr. Jaroslav Hofierka. PhD.	doc. RNDr. Peter Pristaš, CSc.

University: P. J. Šaf	árik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ EXFG/15	Course na	me: Physical Ge	ography Excursi	on	
Course type, scope Course type: Pract Recommended co Per week: Per stu Course method: p	tice urse-load (h Idy period: (ours):			
Number of ECTS c	credits: 3				
Recommended sem	ester/trimes	ster of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	•				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass	essed studen	ts: 798			
A	В	С	D	Е	FX
88.85	8.9	1.13	0.13	0.38	0.63
Provides: RNDr. Du	ušan Barabas	, CSc., RNDr. Al	ena Gessert, PhI	D., univerzitná do	ocentka
Date of last modifie	cation: 19.08	3.2020			
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šaf	ărik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ FGS/15	Course na	me: Physical Ge	ography of Slov	akia	
Course type, scope Course type: Lect Recommended co Per week: 2 / 1 Pe Course method: p	ure / Practice urse-load (h r study perie	ours):			
Number of ECTS c					
Recommended sem	ester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	:				
Brief outline of the	course:				
Recommended liter	rature:				
Course language:					
Notes:					
Course assessment Total number of ass	essed studen	ts: 544			
A	В	С	D	Е	FX
20.4	28.68	30.88	13.42	3.86	2.76
Provides: RNDr. Al	ena Gessert,	PhD., univerzitn	á docentka, Mgr.	Jozef Šupinský,	PhD.
Date of last modifie	cation: 28.09	0.2021			
Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ FGS1/21	Course na	me: Physical Ge	ography of Slov	akia	
Course type, scope Course type: Lect Recommended co Per week: 2 / 1 Pe Course method: p	ure / Practice urse-load (h er study perio	ours):			
Number of ECTS	credits: 5				
Recommended sen	nester/trimes	ster of the course	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:	,				
Course assessment Total number of ass		ts: 41			
A	В	С	D	Е	FX
21.95	29.27	31.71	7.32	2.44	7.32
Provides: RNDr. A	lena Gessert,	PhD., univerzitn	á docentka, doc.	Ing. Katarína Bá	onová, PhD.
Date of last modifi	cation: 14.02	2.2023			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

Faculty: Faculty					
- searcy • r acarey	of Science				
Course ID: ÚGI FYG1/18	E/ Course na	ame: Physical ge	ography 1		
Recommended	ecture / Practice l course-load (h Per study peri	e ours):			
Number of ECT	S credits: 6				
Recommended	semester/trimes	ster of the cours	se: 3.		
Course level: I.					
Prerequisities:					
Conditions for o	course completi	on:			
Learning outco	mes:				
Hydrology of the	e running water,	genesis and deve	lopment of river	oasins, measuring	g of water and its
flow. Genesis an its chemical pro In the section of as well as actual	nd the main types perties, relief of soil science and l and presently u	s of lakes, temper the sea-floor. Su soil geography, p	ratures, water mo bsurface waters, hysical and chem he soil classificat	vements. Sea and	l water currents ls will be treated
flow. Genesis an its chemical pro In the section of as well as actual types in the wor	nd the main types perties, relief of soil science and l and presently u ld and Slovakia,	s of lakes, temper the sea-floor. Su soil geography, p used systens of th	ratures, water mo bsurface waters, hysical and chem he soil classificat	vements. Sea and glaciers. iical nature of soil	l water currents ls will be treated
flow. Genesis an its chemical pro In the section of as well as actual	nd the main types perties, relief of soil science and l and presently u ld and Slovakia, literature:	s of lakes, temper the sea-floor. Su soil geography, p used systens of th	ratures, water mo bsurface waters, hysical and chem he soil classificat	vements. Sea and glaciers. iical nature of soil	l water currents
flow. Genesis an its chemical pro In the section of as well as actual types in the wor Recommended Course languag	nd the main types perties, relief of soil science and l and presently u ld and Slovakia, literature:	s of lakes, temper the sea-floor. Su soil geography, p used systens of th	ratures, water mo bsurface waters, hysical and chem he soil classificat	vements. Sea and glaciers. iical nature of soil	l water currents
flow. Genesis an its chemical pro In the section of as well as actual types in the wor Recommended Course languag Notes: Course assessm	nd the main types perties, relief of soil science and l and presently u ld and Slovakia, literature:	s of lakes, temper the sea-floor. Su soil geography, p used systens of the principles of the	ratures, water mo bsurface waters, hysical and chem he soil classificat	vements. Sea and glaciers. iical nature of soil	l water currents
flow. Genesis an its chemical pro In the section of as well as actual types in the wor Recommended Course languag Notes: Course assessm	nd the main types perties, relief of soil science and a l and presently u ld and Slovakia, literature: re:	s of lakes, temper the sea-floor. Su soil geography, p used systens of the principles of the	ratures, water mo bsurface waters, hysical and chem he soil classificat	vements. Sea and glaciers. iical nature of soil	l water currents ls will be treated
flow. Genesis an its chemical pro In the section of as well as actual types in the wor Recommended Course languag Notes: Course assessm Total number of	ad the main types perties, relief of soil science and a l and presently u ld and Slovakia, literature: ee: ent assessed studen	s of lakes, temper the sea-floor. Su soil geography, p used systens of the principles of the	ratures, water mo bsurface waters, hysical and chem he soil classificat e soil zonality.	vements. Sea and glaciers. nical nature of soil ion. Distribution	water currents ls will be treated of different soi
flow. Genesis an its chemical pro In the section of as well as actual types in the wor Recommended Course languag Notes: Course assessm Total number of A 2.35 Provides: RNDr	ent ad the main types perties, relief of soil science and a l and presently u ld and Slovakia, literature: ent assessed studen B 5.61 . Dušan Barabas	the sea-floor. Su soil geography, p used systems of the principles of the c 21.12 s, CSc., RNDr. A	D 27.25	vements. Sea and glaciers. nical nature of soil ion. Distribution E	water currents ls will be treated of different soi FX 7.43
flow. Genesis an its chemical pro In the section of as well as actual types in the wor Recommended Course languag Notes: Course assessm Total number of A 2.35	ad the main types perties, relief of soil science and a l and presently u ld and Slovakia, literature: re: ent Sassessed studen B 5.61 thD., Mgr. Ján Ša	the sea-floor. Su soil geography, p used systems of the principles of the c 21.12 s, CSc., RNDr. A ašak, PhD.	D 27.25	vements. Sea and glaciers. nical nature of soil ion. Distribution E 36.25	water currents ls will be treated of different soil FX 7.43

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG FYG2/05	E/ Course na	ame: Physical ge	ography 2		
Course type:] Recommende	cope and the me Lecture / Practice d course-load (h 1 Per study peri d: present	e ours):			
Number of EC	TS credits: 5				
Recommended	semester/trimes	ster of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	ion:			
Learning outco	omes:				
 meteorology an and climate) 2. Atmosphere balance) 3. Meteorologic air pressure, air 4. Global atmosfronts) 5. Global climation 6. Climate charring in the study of sphere. Further well as the matical zoogeographication 	d climatology in (composition an cal elements (sola flow - wind) spheric circulation te (Earth's climan biogeography we focus will be p in regularities of al regions of the we d important kinds	the world and in d vertical division radiation, air te n (tropical and m te system, climat age in the geolog e will focus on t but on the function f their distribution world and Slovak	n Slovakia, meth on of the atmos mperature, wate imotropic circul e classifications ical history of th he biosphere as on and position on throughout th cia. In the practic	ic terms and defin nods of obtaining sphere, temperatu er in the atmospher lation, air masses in the world and he Earth, current c a part of the physic of organisms or he world. Phytog cal part students a	data on weather re and radiation re - air humidity, and atmospheric in Slovakia) elimate change) sical-geographic n the surface, as geographical and
Course langua					
Notes:	<u> </u>				
110000					
Course assessm		uts: 717			
	nent f assessed studen B	ts: 717 C	D	E	FX

Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Imrich Sládek, PhD., RNDr. Dušan Barabas, CSc.

Date of last modification: 01.02.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: ÚBEV/ FG1/03	Course name: Phytogeography	
Course type, scope a Course type: Lectur Recommended cou Per week: 2 / 1 Per Course method: pre	re / Practice rse-load (hours): study period: 28 / 14	
Number of ECTS cr	edits: 5	
Recommended seme	ster/trimester of the course:	
C I I I II		

Course level: I., II.

Prerequisities:

Conditions for course completion:

1. Lectures are optional, but highly recommended due to the presentation of otherwise difficult-toaccess information and its synthesis.

2. In addition to the exam, the student must complete a mandatory 5-hour field trip focusing on the aspects that determine the spread of plants on Earth, solve practical tasks from the topic of the subject and prepare a semester presentation on the given topic, the presentation is defended at a scientific mini-conference.

Learning outcomes:

After completing the subject, the student is oriented in various aspects of phytogeographic issues and can apply the acquired knowledge both in basic research within chorology, historical and regional phytogeography, as well as in the evaluation of world biomes. The practical application of the subject is within the study of geographically and climatically conditioned changes in vegetation, in the assessment of the reduction of biodiversity and the extinction of the natural plant communities of the Earth, and the acquired knowledge can be used in work in environmental protection.

Brief outline of the course:

- 1. History of the subject. Plants and environment. Dynamics of the earth's surface.
- 2. Abiotic and biotic factors of the plant environment.
- 3. Chorology, range, areal disjunctions, relics, endemism, vicarism.
- 4. Elements of flora older and newer approaches.
- 5. Main features of florogenesis. Paleozoic, Mesozoic, Cenozoic.
- 6. Main features of florogenesis. Cenozoic Pleistocene, Holocene.
- 7. Basics of GIS (geographic information systems) and their use in botanical research.
- 8. Postglacial development of vegetation in Slovakia.
- 9. Current changes in terrestrial vegetation and their study, plant invasions.
- 10. Geography of vegetation: from tropical rainforests to tundra I.
- 11. Geography of vegetation: from tropical rainforests to tundra II.
- 12. Geographical origin of cultivated plants.

Seminars and exercises consist of a 5-hour excursion focusing on the connections and conditionality of plant distribution and indoor exercises focusing on an overview of phytogeographical literature, atlases of plant distribution and their importance, types of mapping, types of areas, practical

assessment of floristic elements and types of disjunctions, work with maps of specific taxa throughout Europe. Further: regional phytogeography of the Earth, historical overview of opinions on the phytogeographical (floristic) division of Slovakia. Plant phylogeography. Student presentations of final semester theses (phytogeographical mini-conference).

Recommended literature:

Hendrych R.: Fytogeografie. - SPN, Praha 1984.

Prach K., Štech M., Říha P.: Ekologie a rozšíření biomů na Zemi. - Scientia, Praha 2009. Krippel E.: Postglaciálny vývoj vegetácie Slovenska. – Veda, vyd. SAV, Bratislava, 1986. Dahl, E.: The Phytogeography of Northern Europe, - Cambridge University Press, 2007.

Brown J. H., Lomolino M. V.: Biogeography. - Sinauer Associates, Sunderland, 1998.

Myers A. A., Giller P. S.: Analytical Biogeography. - Chapman & Hall, 1990.

Various literature devoted to the geography of vegetation (mainly nature and travel), articles in National Geographic, Živa, Vesmír and other magazines.

Course language:

Notes:

Indies.							
Course assessm	ient						
Total number of	f assessed studen	ts: 400					
А	В	С	D	Е	FX		
38.5	38.5 22.25 21.25 8.75 8.5 0.75						
Provides: prof.	RNDr. Pavol Má	rtonfi, PhD., Mg	r. Vladislav Kola	arčik, PhD., unive	erzitný docent		
Date of last mo	dification: 24.07	7.2022					
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.			

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty o	of Science				
Course ID: ÚBEV BRNm/22	// Course na	me: Plant Biolog	gy		
Course type, scop Course type: Recommended c Per week: Per s Course method:	ourse-load (h tudy period:				
Number of ECTS	credits: 2				
Recommended se	mester/trimes	ster of the cours	e:		
Course level: I.					
Prerequisities: ÚF ÚBEV/BO1/15) ar				/FR1/10 and (ÚBI	EV/BO1/03 or
Conditions for co	urse completi	on:			
Learning outcom	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 12			
Α	В	С	D	Е	FX
25.0	16.67	33.33	0.0	16.67	8.33
Provides:				<u> </u>	
Date of last modif	fication: 29.05	5.2023			
Approved: prof. N	Agr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Safá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ FR1/10	Course name: Plant Physiology
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 3 Per Course method: pre	re / Practice rse-load (hours): study period: 28 / 42
Number of ECTS cr	edits: 6
Recommended seme	ester/trimester of the course: 4.
Course level: I.	
Prerequisities: ÚBEV	V/VB1/01
 will determine an alte 2. Before the practical Students will receive semester. 3. Students make a weat tasks and form a concern the latest. The teachers If the submitted protocol Practicals are consecutive completed. Completing specified by the teachers 5. The activity in the can get 1-3 points. O students can get 3 points 	on in laboratory practicals. In case of justified non-participation, the teacher ernative form of lessons. als, the students will study the main oints of the task that will be carried out e an exact list of tasks according to individual lessons at the beginning of the written report of the practicals. The students will evaluate the results of the dusion. The protocols are handed over to the teacher before the next lessons at r checks the protocols and, in case of errors, returns the protocols for revision bocol is correct, the task is considered validly completed. sidered to have been completed when at least 10 practical tasks are validly ion of practicals by the end of the semester at the latest (the date will be her) is obligatory for participation in the exam. e practicals is evaluated by means of an ongoing point evaluation. A student obtaining 2 points is considered a standard completion of practicals. The beside ints for high-quality performance in the laboratory or excelent protocols. Or it will be awarded to students who completed the practicals despite the teacher's

Any changes or modifications to the conditions for completing the subject due to the COVID19 pandemic or other serious reasons are continuously posted on the subject's electronic board.

Learning outcomes:

Getting a basic overview of life processes in plants. Acquisition of basic laboratory practice in biochemical methods and work with plant material. Ability to evaluate results and form the conclusions.

Brief outline of the course:

Water in plant life, properties of water, water regime; uptake and transport of water, transpiration.
 Mineral substances in plants, transport mechanisms of mineral substances, Essential elements and their main functions, useful substances and toxic substances.

3. Photosynthesis: Meaning of photosynthesis, photosynthetic pigments, electron and proton transport, ATP production.

4. Metabolic phase of photosynthesis, CO2 fixation, Calvin cycle, Photorespiration, C4 and CAM plants, ecophysiology of photosynthesis.

5. Mobilization of storage substances, Glycolysis, Pentose cycle, Citrate (Krebs) cycle, Mitochondrial respiration, Biosynthesis and mobilization of lipids

6. Nitrogen and sulfur metabolism: Nitrogen uptake and reduction, assimilation of nitrogen, nitrogenase, assimilation of sulfur

7. Secondary plant metabolism: Isoprenoids, phenolic substances, substances derived from amino acids, stress metabolites

8. Plant growth, cell division, cellulose formation, embryogenesis, meristems, regeneration

9. Photoreceptors: Phytochromes, physiological effects of phytochromes, blue light receptors

10. Plant hormones: Characteristics and method of signaling, auxins, gibberellins, cytokinins, abscisic acid, ethylene, brassinosteroids and other hormones

11. Plant movements, tropisms, circadian rhythms

12. Flowering control: Internal and external regulation of flowering, floral meristem and control of flower development.

13. Physiology of stress: Abiotic stress, biotic stress, response of plants to stress.

Recommended literature:

Bhatla S.C., Lal M.A. Plant Physiology, development and metabolism. Springer Nature Singapore Pte Ltd. 2018

Course language:

Notes:

Course assessment

Total number of assessed students: 1939

А	В	С	D	Е	FX
16.19	13.46	16.92	14.44	22.18	16.81

Provides: doc. RNDr. Peter Pal'ove-Balang, PhD.

Date of last modification: 28.07.2022

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ POL2/21	Course na	me: Political geo	ography		
Course type, scope Course type: Lect Recommended co Per week: 1 / 2 Pe Course method: p	ure / Practice urse-load (h r study perio	ours):			
Number of ECTS of	credits: 5				
Recommended sem	nester/trimes	ster of the course	: 6.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 14			
A	В	С	D	Е	FX
21.43	35.71	42.86	0.0	0.0	0.0
Provides: RNDr. St	ela Csachová	, PhD., doc. Mgr.	. Ladislav Novo	tný, PhD.	
Date of last modified	cation: 27.06	0.2022			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: ÚGE/ POL1/18	Course na	me: Political geo	ography and geo	politics	
Course type, scope Course type: Lec Recommended co Per week: 1 / 2 Po Course method: p	ture / Practice ourse-load (h er study perio	ours):			
Number of ECTS	credits: 5				
Recommended ser	nester/trimes	ster of the course	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 341			
A	В	С	D	Е	FX
43.4	31.96	15.54	6.74	2.05	0.29
Provides: RNDr. S	tela Csachová	i, PhD., doc. Mgr	. Ladislav Novo	tný, PhD.	
Date of last modifi	cation: 12.09	0.2020			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., de	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty c	of Science				
Course ID: ÚGE/ GOBY/21	Course na	ame: Population	Geography		
Course type, scop Course type: Lea Recommended c Per week: 2 / 2 P Course method:	cture / Practice course-load (h Per study peri present	e ours):			
Number of ECTS	credits: 5				
Recommended se	mester/trimes	ster of the cours	e: 2.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcom	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Notes:	, , , , , , , , , , , , , , , , , , ,				
Course assessmen Total number of a		.ts: 79			
A	В	С	D	Е	FX
6.33	5.06	26.58	37.97	20.25	3.8
Provides: doc. Mg docentka	gr. Ladislav No	ovotný, PhD., RN	IDr. Janetta Nest	orová-Dická, PhI	D., univerzitná
Date of last modif	fication: 19.02	2.2024			
Approved: prof. N	Agr. Jaroslav H	Hofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

	COURSE INFORMATION LETTER
University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ PVS/18	Course name: Population growth in Slovakia
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 1 Per Course method: pre	re / Practice rse-load (hours): study period: 28 / 14
Number of ECTS cro	edits: 5
Recommended seme	ster/trimester of the course: 4.
Course level: I.	
Prerequisities:	
and successful solution conditions, i. e. composition addition will not so (oral/written). If the so form. If a student doe	control includes at least 80% of students' active participation in teaching ons of given assignments. If a student does not follow and fullfil these two ulsory active learning part of the course, together with active participation and solve assigned tasks successfully cannot register, assign for the examination student receives more than 51% in the written form may proceed to the oral es not demonstrate particular knowledge during the oral examination student as of the examination once again.
Learning outcomes: The Student shall acq	uires deeper knowledge of the population of Slovakia in terms of time and 3-D.
migration, the total m internal migration; T Slovakia; The educat status of the population EU in terms of population Seminars	population and its spatial differentiation, population Dynamics (natural, novement); Reproduction of the population; Migration for work, Foreign and The ageing of the population; The specificities of the Roma population in tional structure of the population; Economic, social, according to the marital on structure; Ethnic and religions structure of the population ; Slovakia in the ation processes; The demographic future of Slovakia.
	iomena studied in the different regional units.
Recommended litera	iture:
Course language:	
Notes:	

Course assessm Total number of	nent f assessed studen	ts: 155						
A B C D E FX								
54.19	54.19 7.1 16.77 9.68 9.68 2.58							
Provides: RND	Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka							
Date of last modification: 29.03.2020								
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.							

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: KPPaPZ/PP/15	Course name: Positive Psychology
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cro	edits: 2
Recommended seme	ster/trimester of the course: 4., 6.
Course level: I.	
Prerequisities:	
format. Up-to-date in	e completion: on interim evaluation. The subject will be taught in both present and distance formation concerning the subject for the given academic year can be found rd of the subject in the Academic information system of the UPJŠ.
its main theory, curr rapidly developing for thinking to the challer	basic knowledge concerning the reasons for founding Positive psychology, ent research, as well as application of Positive psychology as a new and eld within psychology. Students will also gain experience in applying critical nges and issues that Positive psychology brings and raises in the context of the porary society. Emphasis is placed on the ability to critically evaluate current chology.
	ves on well-being nad happiness in psychology oproaches to positive psychology and positivity nal relations wth n rsonality dimension
Deci, E., Ryan R. M., Křivohlavý, J.: Poziti Křivohlavý, J.: Psych	ture: one, M: Emotion and Motivation, Blackwell, 2004 Handbook of Self – Determination Reasearch, Rochester, 2002 vní psychologie. Praha, Portál, 2003 ologie vděčnosti a nevděčnosti. Praha, Grada, 2007 ologie moudrosti a dobrého života, Praha, Grada, 2012

Křivohlavý, J.: Psychologie pocitu štěstí, Grada, 2013 McAdams, D. P., The Person, New York, 2002 Seligman, M. E. P., & Csikszentmihalyi, M. (Eds.). (2000). Positive psychology [Special issue] American Psychologist, 55(1). Říčan, P.: Psychologie náboženství a spirituality, Praha, Portál, 2007 Slezáčková, A.:Pruvodce pozitivní psychologií, Praha, Grada, 2012

Course language:

Notes:

Course assessment

Total number of assessed students: 457

А	В	С	D	Е	FX
98.25	1.31	0.22	0.0	0.22	0.0

Provides: Mgr. Jozef Benka, PhD.

Date of last modification: 24.06.2022

University: P. J. Š	Safárik Univers	ity in Košice				
Faculty: Faculty	of Science			_		
Course ID: KPPaPZ/Ps/15	Course name: Psychology					
Course type, scop Course type: Le Recommended Per week: 2 Per Course method:	cture course-load (h study period:	ours):				
Number of ECTS						
Recommended se	emester/trimes	ter of the cours	e: 3.			
Course level: I.						
Prerequisities:						
Conditions for co	ourse completi	on:				
Learning outcom	ies:					
Brief outline of tl	he course:					
Recommended li	terature:					
Course language	:					
Notes:						
Course assessme Total number of a		ts: 858				
A	В	С	D	Е	FX	
37.41	20.98	16.2	12.59	11.07	1.75	
Provides: PhDr. A	Anna Janovská,	PhD., Mgr. Ond	rej Kalina, PhD.			
Date of last modi	fication: 24.06	.2022				
Approved: prof. 1	Mgr. Jaroslav H	lofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.		

Faculty of Science Course ID: KPPaPZ/PKŽ/15 Course name: Psychology of Everyday Life Course type, scope and the method: Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 2 Recommended semester/trimester of the course: 3. Course level: I. Prerequisities: Course and its subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is t ensure an objective and fair mapping of the student's knowledge while adhering to all ethical an moral standards. There is no tolerance for students' fraudulent behavior, whether in the teachin process or in the assessment process. 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 20, minimum number of points 11. 3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b FX 20b - 0b	University: P. J. Šafár	rik University in Košice
KPPaPZ/PKŽ/15 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 2 Recommended semester/trimester of the course: 3. Course level: I. Prerequisities: Consci level: I. Present and vance and will not change. The aim of the assessment is the subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is the subsequent completion of the courses and its subsequent completion will be have on the assessment is the subsequent completion of the assessment is the subsequent completion of the assessment is the subsequent of the subsequent of the courses or in the assessment process. 1. Active participation in seminars 2. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b Set the sum of points for the presentation and the essay.	Faculty: Faculty of So	cience
Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 2 Recommended semester/trimester of the course: 3. Course level: 1. Prerequisities: Conditions for course completion: The evaluation of the course and its subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is t ensure an objective and fair mapping of the student's knowledge while adhering to all ethical an moral standards. There is no tolerance for students' fraudulent behavior, whether in the teachin process or in the assessment process. 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 20; minimum number of points 11. 3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b		Course name: Psychology of Everyday Life
Recommended semester/trimester of the course: 3. Course level: I. Prerequisities: Conditions for course completion: The evaluation of the course and its subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is t ensure an objective and fair mapping of the student's knowledge while adhering to all ethical an moral standards. There is no tolerance for students' fraudulent behavior, whether in the teachin process or in the assessment process. 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 11. 3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b	Course type: Practic Recommended cour Per week: 2 Per stue Course method: pre	ce rse-load (hours): dy period: 28 esent
Course level: I. Prerequisities: Conditions for course completion: The evaluation of the course and its subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is t ensure an objective and fair mapping of the student's knowledge while adhering to all ethical an moral standards. There is no tolerance for students' fraudulent behavior, whether in the teachin process or in the assessment process. 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 11. 3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b		
Prerequisities: Conditions for course completion: The evaluation of the course and its subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is t ensure an objective and fair mapping of the student's knowledge while adhering to all ethical an moral standards. There is no tolerance for students' fraudulent behavior, whether in the teachin process or in the assessment process. 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 20; minimum number of points 11. 3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b		ster/trimester of the course: 3.
Conditions for course completion: The evaluation of the course and its subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is t ensure an objective and fair mapping of the student's knowledge while adhering to all ethical an moral standards. There is no tolerance for students' fraudulent behavior, whether in the teachin process or in the assessment process. 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 20; minimum number of points 11. 3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b	Course level: I.	
The evaluation of the course and its subsequent completion will be based on clearly and objectivel set requirements, which will be set in advance and will not change. The aim of the assessment is t ensure an objective and fair mapping of the student's knowledge while adhering to all ethical an moral standards. There is no tolerance for students' fraudulent behavior, whether in the teachin process or in the assessment process. 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 20; minimum number of points 11. 3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20 minimum number of points 11. The final evaluation (grade) is the sum of points for the presentation and the essay. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b	Prerequisities:	
Learning outcomes:	The evaluation of the set requirements, white ensure an objective at moral standards. The process or in the asses 1. Active participation 2. Elaboration and pr points 20; minimum r 3. Elaboration of an e minimum number of p The final evaluation (A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b FX 20b - 0b	course and its subsequent completion will be based on clearly and objectively ch will be set in advance and will not change. The aim of the assessment is to nd fair mapping of the student's knowledge while adhering to all ethical and re is no tolerance for students' fraudulent behavior, whether in the teaching ssment process. n in seminars resentation of PPT presentation on the assigned topic. Maximum number of number of points 11. essay in the range of 4xA4 (standard pages). Maximum number of points 20 points 11.

The student is able to describe, explain and evaluate the psychological mechanisms that occur in everyday situations.

The student is able to apply basic psychological knowledge to himself (self-regulation) but also in interaction with others (cooperation).

The method of teaching the subject will be oriented to the student. Speakers will be interested in the needs, expectations and opinions of students so as to encourage them to think critically by expressing respect and feedback on their opinions and needs.

The content of the curriculum will be based on primary and high-quality sources that will reflect the topicality of the topics so as to ensure the connection of the curriculum with other subjects and also

the connection of the curriculum with practice. Students will be expected to take an active approach in lectures and seminars with an emphasis on their independence and responsibility.

Brief outline of the course:

How to understand human behavior (overview of basic approaches in psychology); Basic overview of cognitive processes; Learning processes and their use in practice; Social influences, prosocial and antisocial behavior; How human emotions and motivations work; Deciding - why and when we take risks; Childhood experiences and their relationship to adulthood; Abnormal behavior, mental disorders and therapeutic approaches

Recommended literature:

Course language:

Notes:

Course assessment

Total number of assessed students: 228

А	В	С	D	Е	FX
42.11	25.0	26.32	4.82	1.32	0.44

Provides: Mgr. Ondrej Kalina, PhD.

Date of last modification: 24.06.2022

University: P. J. S	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE/ KMG/17Course name: Quantitative Methods in Geography					
Course type, sco Course type: Le Recommended Per week: 1 / 2 Course method	ecture / Practice course-load (h Per study perio	ours):			
Number of ECTS	S credits: 3				
Recommended se	emester/trimes	ster of the cours	e: 2.		
Course level: I.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcom	nes:				
Brief outline of t	he course:				
Recommended li	terature:				
Course language					
Notes:					
Course assessme Total number of a		ts: 192			
Α	В	С	D	Е	FX
26.04	18.23	20.31	18.75	16.67	0.0
Provides: RNDr. Hofierka, PhD., M			univerzitná doc	entka, prof. Mgr	Jaroslav
Date of last modi	ification: 29.03	3.2020			
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE RGE2/21	Course na	ame: Regional G	eography of Eur	ope	
Course type, sco Course type: Le Recommended Per week: 3 / 1 Course method	ecture / Practice course-load (h Per study peri	ours):			
Number of ECT	S credits: 5				
Recommended s	emester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for c	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	he course:				
Recommended li	iterature:				
Course language	2:				
Notes:					
Course assessme Total number of	-	ts: 12			
А	В	С	D	Е	FX
8.33	33.33	33.33	25.0	0.0	0.0
Provides: RNDr. Mgr. Ladislav Nc			,	D., univerzitná d	ocentka, doc.
Date of last mod	ification: 27.06	5.2022			
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE ADPZ/22	Course na	ame: Remote sen	sing application	S	
Course type, sco Course type: Le Recommended Per week: 1 / 2 Course method	ecture / Practice course-load (h Per study peri	e ours):			
Number of ECT	S credits: 3				
Recommended s	emester/trimes	ster of the cours	e: 5.		
Course level: I.,	II.				
Prerequisities:					
Conditions for c	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	he course:				
Recommended li	iterature:				
Course language	2:				
Notes:					
Course assessme Total number of		ts: 11			
Α	В	С	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: prof. N Onačillová, PhD.	•		c. RNDr. Ján Ka	ňuk, PhD., Mgr. 1	Katarína
Date of last mod	ification: 20.06	5.2022			
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafa	árik University in Košice					
Faculty: Faculty of Science						
Course ID: KPPaPZ/RKS/14						
Course type, scope a Course type: Lectu Recommended cou Per week: 1 / 2 Per Course method: pr	rre / Practice rrse-load (hours): • study period: 14 / 28					
Number of ECTS c	redits: 4					
Recommended sem	ester/trimester of the cours	e: 3., 5.				
Course level: I., N						
Prerequisities:						
Conditions for cour	se completion:					
Learning outcomes						
Brief outline of the	course:					
Recommended liter	ature:					
Course language:						
Notes:						
Course assessment Total number of asse	essed students: 178					
	abs	n				
	94.38 5.62					
Provides: PhDr. Anr	na Janovská, PhD., Mgr. Luci	a Barbierik, PhD.				
Date of last modific	ation: 24.06.2022					
Approved: prof. Mg	r. Jaroslav Hofierka, PhD., d	oc. RNDr. Peter Pristaš, CSc.				

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: KPE/ OLŠ/15	Course na	me: School Adn	ninistration and]	Legislation	
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	tice ourse-load (h tudy period:	ours):			
Number of ECTS	credits: 2				
Recommended sen	nester/trimes	ter of the cours	e: 3., 5.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	rature:				
Course language:					
Notes:					
Course assessment Total number of as		ts: 322			
A	В	С	D	Е	FX
45.65	29.81	14.29	6.52	3.11	0.62
Provides: PaedDr. 1	Michal Novo	cký, PhD.			
Date of last modifi	cation: 12.03	.2024			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

	rik University in Košice						
Faculty: Faculty of Science							
Course ID: ÚTVŠ/ Course name: Seaside Aerobic Exercise ÚTVŠ/CM/13							
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): Idy period: 28						
Number of ECTS cr	edits: 2						
Recommended seme	ster/trimester of the course:						
Course level: I., II.							
Prerequisities:							
- active participation	se completion: sful course completion: in line with the study rule of procedure and course guidelines ace of all tasks- aerobics, water exercise, yoga, Pilates and others						
course syllabus and r Performance standard Upon completion of r - perform basic aerob - conduct verbal and	rates relevant knowledge and skills in the field, which content is defined in the recommended literature. d: the course students are able to meet the performance standard and: bics steps and basics of health exercises, non-verbal communication with clients during exercise, ge the process of physical recreation in leisure time						
Brief outline of the c Brief outline of the c 1. Basic aerobics – lo 2. Basics of aqua fitn 3. Basics of Pilates 4. Health exercises 5. Bodyweight exerci 6. Swimming 7. Relaxing yoga exe 8. Power yoga	ourse: ow impact aerobics, high impact aerobics, basic steps and cuing less ises						

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

University: P. J. Ša	afárik Univers	ity in Košice			
Faculty: Faculty o	f Science				
Course ID: KF/ VKFV/07	Course na Introductio		ppics in Philosopl	ny of Education (General
Course type, scop Course type: Pra Recommended co Per week: 2 Per s Course method:	ctice ourse-load (he study period:	ours):			
Number of ECTS	credits: 2				
Recommended ser	mester/trimes	ter of the cours	e: 3., 5.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcome	es:				
Brief outline of th	e course:				
Recommended lite	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 32			
А	В	С	D	Е	FX
68.75	18.75	9.38	3.13	0.0	0.0
Provides: PhDr. D	ušan Hruška, I	PhD.		<u> </u>	
Date of last modif	ication: 13.04	.2022			
Approved: prof. M	lgr. Jaroslav H	lofierka, PhD d	loc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Ša	afárik Univers	ity in Košice			
Faculty: Faculty o	f Science				
Course ID: KF/ VKFV/07	Course na Introductio		pics in Philosoph	ny of Education (General
Course type, scop Course type: Pra Recommended co Per week: 2 Per s Course method:	ctice ourse-load (he study period:	ours):			
Number of ECTS	credits: 2				
Recommended ser	mester/trimes	ter of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcome	es:				
Brief outline of th	e course:				
Recommended lite	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 32			
А	В	С	D	Е	FX
68.75	18.75	9.38	3.13	0.0	0.0
Provides: PhDr. D	ušan Hruška, I	PhD.	1	L	
Date of last modif	ication: 13.04	.2022			
Approved: prof. M	lgr. Jaroslav H	lofierka, PhD d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafárik University in Košice Faculty: Faculty of Science							
Course ID: Course name: Self Marketing ECo-C2							
KPPaPZ/ECo-C2/14							
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: cor	ce rse-load (hours): dy period: 28						
Number of ECTS cr	edits: 4						
Recommended seme	ster/trimester of the course: 4., 6.						
Course level: I., N							
Prerequisities:							
according to the teach Detailed information	n in lessons (absence is allowed max. 90 min.), 2. Realization of assignment						
knowledge and princ competencies, his / h knowledge and socia	es for the correct presentation of his own person and understands the related iples of personal and communication area. He / she can understand his / he her goals, how to make his / her strengths visible and he / she can apply this and professional skills in the personal and professional sphere of his / he mprove his / her employment opportunities.						
Me and my influence me? Ability to defend options do I have?), Competence (Have y at work),							
GRADA, 2008. 408 s VÝROST, Jozef - SL instituce. 1. vyd. Prak KOMÁRKOVÁ, Růž	AMĚNÍK, Ivan. Sociální psychologie. 2., přepr. a rozš. vyd. Praha :						

VÝROST, Jozef - SLAMĚNÍK, Ivan. Aplikovaná sociální psychologie II. 1. vyd. Praha : Grada Publishing, 2001. 260 s.

Course language: slovak						
Notes: After passing the certification exams from all 4 modules (Teamwork, Selfmarketing, Conflict Management, Communication) the student will receive an ECo-C card and an ECo-C certificate.						
Course assessment Total number of assessed students: 163						
abs	n					
90.18 9.82						
Provides: Mgr. Lucia Barbierik, PhD.						
Date of last modification: 24.06.2022						

	COURSE INFORMATION LETTER
University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ SBP1/13	Course name: Seminar for Bachelor Thesis I.
Course type, scope a Course type: Practic Recommended cou Per week: 2 Per stu Course method: pre	ce rse-load (hours): Idy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 5.
Course level: I.	
Prerequisities:	
presentation (70% of of the both parts of e	red basic methodologic and formal procedures of the final thesis creation by rating) and written examination (30%). To obtain A grade, weighted average examination must reach at least 90%, To obtain B it is 80%, for C it is 70%, 50%. Credits shall not be granted to a student who obtain less than 50% from
Learning outcomes: Mastering basic theo creation.	pretical, methodological and formal scientific procedures of bachelor thesis
Ethics and culture of electronic, etc.). Form	course: n of selected parts of thesis writing (abstract, introduction, conclusion, etc.) f writing diploma thesis, citations and references, types of sources (printed nal aspects of the thesis. Linguistic adjustment (terminology, stylistics, syntax y). Rules of presentation of the thesis. Presentation of current results and state
UPJŠ v Košiciach. D zaverecne-prace/>.	ature: UPJŠ 2019: Základné usmernenia a dokumenty k záverečným prácam na ostupné na: <https: <br="" pracoviska="" univerzitna-kniznica="" www.upjs.sk="">E PF UPJŠ 2019: Pokyny na tvorbu záverečných prác na Ústave gego-rafie</https:>
Prírodovedeckej faku images/studium/Poky HOVORKA, D., KO (Vydavateľstvo Osve	ulty UPJŠ v Košiciach. Dostupné na: <https: <br="" geografia.science.upjs.sk="">yny_ZP_UGE_2019.pdf>. MÁREK, K., CHRAPAN, J. 2011: Ako písať a komunikovať. Martin</https:>
Course language: Slovak	

Course assessment Total number of assessed students: 448							
A B C D E FX							
91.96	6.7	0.67	0.0	0.67	0.0		
Provides: prof.	Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. Mgr. Ladislav Novotný, PhD.						
Date of last modification: 22.09.2020							
Approved: prof	f. Mgr. Jaroslav H	Approved: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Peter Pristaš, CSc.					

Faculty: Faculty o Course ID: ÚGE/ SBP2/13 Course type, scop Course type: Pra		me: Seminar fo	r Daahalar Thagi			
SBP2/13 Course type, scop	Course na	me: Seminar fo	" Doobolor Thori			
• • • •						
Recommended c Per week: 2 Per Course method:	ctice ourse-load (ho study period:	ours):				
Number of ECTS	credits: 2					
Recommended se	mester/trimes	ter of the cours	se: 6.			
Course level: I.						
Prerequisities:						
Conditions for co Verification of acq the presentation of To obtain A grade 80%, for C it is 70° rating less than 50	uired methodo f current thesis e, the rating os %, for D 60% a	logical and form creation by pres student's presen	sentation of own ntation must reac	bachelor thesis (1 h at least 90%, 7	100% of rating). Го obtain B it is	
Learning outcome Acquired skills to thesis creation.		cal, methodolog	gical and formal	scientific proced	ures of diploma	
Brief outline of th The seminary is fo their thesis, its cor	ocused to the top			-		
Recommended lit HOVORKA, D., H (Vydavateľstvo Os KATUŠČÁK, D. 2 ÚTVAR REKTOF <http: td="" www.upjs.<=""><td>KOMÁREK, K sveta), 247 s. 2008: Ako písa RA UPJŠ (2011</td><td>ť záverečné a k): Smernica č. 1</td><td>valifikačné práce /2011, Dostupné</td><td>. Nitra (Enigma), na internete:</td><td></td></http:>	KOMÁREK, K sveta), 247 s. 2008: Ako písa RA UPJŠ (2011	ť záverečné a k): Smernica č. 1	valifikačné práce /2011, Dostupné	. Nitra (Enigma), na internete:		
Course language: Slovak						
Notes:						
Course assessmen Total number of as		s: 391				
Α	В	С	D	Е	FX	
69.57	21.48	7.67	0.51	0.26	0.51	

Date of last modification: 03.05.2015

University: P. J. Šafa	árik University in Košice	
Faculty: Faculty of S	Science	
Course ID: ÚGE/ SHG/21	Course name: Seminar of	human geography
Course type, scope a Course type: Pract Recommended cou Per week: 2 Per stu Course method: pr	ice irse-load (hours): udy period: 28	
Number of ECTS c	redits: 3	
Recommended sem	ester/trimester of the cours	e: 6.
Course level: I.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes		
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	essed students: 10	
	abs	n
90.0 10.0		
•	án Kulla, PhD., RNDr. Stela itná docentka, doc. Mgr. Lac	Csachová, PhD., RNDr. Janetta Nestorová- lislav Novotný, PhD.
Date of last modific	ation: 27.06.2022	
Approved: prof. Mg	r. Jaroslav Hofierka, PhD., d	oc. RNDr. Peter Pristaš, CSc.

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚGE/ SFG/21	Course name: Seminar of	physical geography	
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice 1rse-load (hours): udy period: 28		
Number of ECTS c	redits: 3		
Recommended sem	ester/trimester of the cours	e: 6.	
Course level: I.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes			
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 0		
	abs	n	
0.0 0.0			
Provides: RNDr. Du PhD., univerzitná do		Katarína Bónová, PhD., RNDr. Alena Gessert,	
Date of last modific	ation: 27.06.2022		
Approved: prof. Mg	r. Jaroslav Hofierka. PhD d	oc. RNDr. Peter Pristaš, CSc.	

University: P. J. Šafa	irik University in Košice		
Faculty: Faculty of S	Science		
Course ID: KPO/ SPKVV/15Course name: Social and Political Context of Education			
Course type, scope a Course type: Lectu Recommended cou Per week: 2 Per stu Course method: pr	re irse-load (hours): idy period: 28		
Number of ECTS ci	redits: 2		
Recommended sem	ester/trimester of the course: 4., 6.		
Course level: I.			
Prerequisities:			
Conditions for cour Evaluation of the de A 100,00% - 91,0 B 90,99% - 81,00 C 80,99% - 71,00 D 70,99% - 61,00 E 60,99% - 51,00 FX 50,99% and le	veloped assignment. 0% % % %		
Learning outcomes: The aim and purpose			

Development of knowledge: the student will be able to know the current theoretical background related to the process of education and training in a modern democratic society.

The student will be able to navigate the social and political space - politically, legally, socially and culturally. He/she will be able to look for alternatives and solutions to dysfunctions, while at the same time exploiting opportunities and ways to implement them.

Brief outline of the course:

The status, role and functions of education in human life and society. The political, social and economic objectives of education. Education, learning and social change in the context of globalisation. Macrosocial determinants of education. Current roles of education and training in modern performance and democratic society.

Recommended literature:

Domestic and foreign journal literature

Kudláčová, B.(2007) Človek a výchova v dejinách európskeho myslenia. Trnava: PdF TU Zeus Leonardo (2010) Handbook of Cultural Politics and Education. Rotterdam, The Netherlands.

Course language:

Slovak

Notes:

Course assessm		. 1.61					
Total number o	f assessed studen	ts: 161					
A B C D E FX							
59.63	21.12	12.42	4.35	1.24	1.24		
Provides: Mgr. Ján Ruman, PhD.							
Date of last modification: 13.04.2022							
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.			

University: P. J. Šafárik University in Košice

Faculty: Faculty of Science

Course ID: KGER/	Course name: Specialised German Language - Natural Sciences 1
OJPV1/07	

Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28

Course method: present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4.

Course level: I.

Prerequisities:

Conditions for course completion:

Active participation in class and completed homework assignments. Students are allowed to miss 2 classes at the most (2x90 min.). 1 control tests during the semester and written assignments. Final grade will be calculated as follows: A 93-100 %, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64 % and less.

Learning outcomes:

The development of students' language skills - reading, writing, listening, speaking, improvement of their linguistic competence - students acquire knowledge of selected phonological, lexical and syntactic aspects, development of pragmatic competence - students can effectively use the language for a given purpose, with focus on Academic English and English for specific/professional purposes - Natural Science, level B1.

Brief outline of the course:

Recommended literature:

Duden Basiswissen Schule. Abitur: Enthält die Bände Mathematik, Physik, Chemie, Biologie, Geographie, Geschichte. (2007). ISBN: 978-3411002511.

Zettl, E. et al.: Aus moderner Technik und Naturwissenschaft. Ismaning: Hueber, 2003.

Reiss, K.: Basiswissen Zahlentheorie: Eine Einführung in Zahlen und Zahlbereiche (Mathematik für das Lehramt), Springer, 2007. ISBN: 978-3540453772.

Meyer, L., Schmidt, G.- D.: Basiswissen Ausbildung: Physik. Bildungsverlag EINS, 2008. ISBN: 978-3427799337.

Duden. Schülerduden Biologie: Das Fachlexikon von A-Z. Bibliographisches Institut Berlin, 2009. ISBN: 978-3411054275.

Mortimer, Ch. E., Müller, U., Beck, J.: Chemie: Das Basiswissen der Chemie. Stuttgart: Thieme, 2014. ISBN: 978-313484311

Deutsch perfekt, GEO, MaxPlanck Forschung a iné printové a elektronické médiá

Course l	anguage:
German	

Notes:

Course assessment Total number of assessed students: 148							
A B C D E FX							
24.32	22.97	24.32	20.27	7.43	0.68		
Provides: Mgr. Ulrika Strömplová, PhD.							
Date of last modification: 09.02.2023							
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.			

Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVa/11	Course name: Sports Activities I.
Course type, scope a Course type: Practic Recommended cou Per week: 2 Per stu Course method: pre	ce rse-load (hours): Idy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ester/trimester of the course: 1.
Course level: I., II.	
Prerequisities:	
Conditions for cours Min. 80% of active p	se completion: participation in classes.
They have a great in	their forms prepare university students for their professional and personal life pact on physical fitness and performance. Specialization in sports activitie strengthen their relationship towards the selected sport in which they also
activities aerobics; ai yoga, power yoga, p tennis, chess, volleyb Additionally, the Ins offers winter courses	ourse: ical education and sport at the Pavol Jozef Šafárik University offers 20 sport kido, basketball, badminton, body-balance, body form, bouldering, floorbal bilates, swimming, fitness, indoor football, SM system, step aerobics, tabl
[online] Dostupné na BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 978802 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. F	05. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. :: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 5. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha:

STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 15193

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
86.05	0.07	0.0	0.0	0.0	0.05	8.69	5.15

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

Date of last modification: 07.02.2024

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	Science
Course ID: ÚTVŠ/ TVb/11	Course name: Sports Activities II.
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pro	ce rse-load (hours): ıdy period: 28
Number of ECTS cr	redits: 2
Recommended seme	ester/trimester of the course: 2.
Course level: I., II.	
Prerequisities:	
Conditions for cours active participation in	se completion: n classes - min. 80%.
They have a great in	I their forms prepare university students for their professional and personal life npact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also
activities aerobics; ai yoga, power yoga, p tennis, chess, volleyt Additionally, the Ins offers winter courses	ourse: ical education and sport at the Pavol Jozef Šafárik University offers 20 sports ikido, basketball, badminton, body-balance, body form, bouldering, floorball bilates, swimming, fitness, indoor football, SM system, step aerobics, table
[online] Dostupné na BUZKOVÁ, K. 2000 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 978802 KAČÁNI, L. 2002. H 8089197027. KRESTA, J. 2009. F LAWRENCE, G. 20	05. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. a: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 6. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha:

STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 13318

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
84.37	0.51	0.02	0.0	0.0	0.05	10.78	4.28

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

Date of last modification: 07.02.2024

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVc/11	Course name: Sports Activities III.
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pro	ce rse-load (hours): ıdy period: 28
Number of ECTS cr	redits: 2
Recommended seme	ester/trimester of the course: 3.
Course level: I., II.	
Prerequisities:	
Conditions for cours min. 80% of active p	se completion: articipation in classes
They have a great in	I their forms prepare university students for their professional and personal life. npact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also
activities aerobics; ai yoga, power yoga, p tennis, chess, volleyb Additionally, the Ins offers winter courses	ourse: ical education and sport at the Pavol Jozef Šafárik University offers 20 sports ikido, basketball, badminton, body-balance, body form, bouldering, floorball, bilates, swimming, fitness, indoor football, SM system, step aerobics, table
[online] Dostupné na BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 978802 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. F LAWRENCE, G. 20	05. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. a: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 6. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha:

STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 9100

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
88.37	0.07	0.01	0.0	0.0	0.02	4.46	7.07

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

Date of last modification: 07.02.2024

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVd/11	Course name: Sports Activities IV.
Course type, scope a Course type: Practic Recommended cou Per week: 2 Per stu Course method: pre	ce rse-load (hours): Idy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ester/trimester of the course: 4.
Course level: I., II.	
Prerequisities:	
Conditions for cours min. 80% of active p	se completion: articipation in classes
They have a great in	their forms prepare university students for their professional and personal life pact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also
activities aerobics; ai yoga, power yoga, p tennis, chess, volleyb Additionally, the Ins offers winter courses	ourse: ical education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball bilates, swimming, fitness, indoor football, SM system, step aerobics, table
[online] Dostupné na BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 978802 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. F LAWRENCE, G. 201	05. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. :: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 5. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha:

STACKEOVÁ, D. 2014. Fitness programy z pohledu kinantropologie. Praha: Galén. ISBN 9788074921155.

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 5671

6	abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
82	2.81	0.28	0.04	0.0	0.0	0.0	7.97	8.9

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

Date of last modification: 07.02.2024

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚGE STMG/21	Course na	me: Statistical N	Aethods in Geog	raphy	
Course type, sco Course type: Le Recommended Per week: 1 / 2 Course method	ecture / Practice course-load (h Per study perio	ours):			
Number of ECT	S credits: 3				
Recommended s	emester/trimes	ster of the cours	e: 2.		
Course level: I.					
Prerequisities:					
Conditions for co	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	he course:				
Recommended li	iterature:				
Course language	2:				
Notes:					
Course assessme Total number of a	-	ts: 78			
A	В	С	D	Е	FX
34.62	21.79	12.82	14.1	16.67	0.0
Provides: prof. M docentka	Agr. Jaroslav Ho	ofierka, PhD., RN	NDr. Janetta Nes	torová-Dická, PhI	D., univerzitná
Date of last mod	ification: 12.02	2.2023			
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	Faculty: Faculty of Science		
Course ID: ÚBEV/ SVK/01	BEV/ Course name: Student Scientific Conference		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period:		
Number of ECTS cr	edits: 4		
Recommended seme	ster/trimester of the cours	e:	
Course level: I., II.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 31		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modifica	ation: 30.11.2021		
Approved: prof. Mg	Jaroslav Hofierka, PhD., d	oc. RNDr. Peter Pristaš, CSc.	

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	science		
Course ID: ÚGE/ SVG/04	Course name: Student Sci	Course name: Student Scientific Conference in Geography	
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pro	rse-load (hours): ly period:		
Number of ECTS cr	redits: 4		
Recommended seme	ester/trimester of the cours	e: 6.	
Course level: I., II.			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
		mplying a geographical problem, the students will efore the committee.	
Recommended litera	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 11		
	abs	n	
	100.0 0.0		
Janetta Nestorová-Di		lena Gessert, PhD., univerzitná docentka, RNDr. ntka, Mgr. Marián Kulla, PhD., doc. Ing. Katarína	
Date of last modifica	ation: 01.12.2021		
Annroved nrof Ma	r Jaroslav Hofierka PhD d	oc. RNDr. Peter Pristaš, CSc.	

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	
Course ID: ÚFV/ DGS/21	Course name: Students` Digital Literacy
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 1.
Course level: I.	
Prerequisities:	
 Practical ongoing a Active participation 	based on ongoing assessment: assignments and their defense (at least 50% needed) on during face-to-face contact learning in classical or virtual classroom (3 nd during online learning (no absence, uploading all individual ongoing
digital technologies (1. according to the cu	btain and know to apply basic knowledge and skills in working with current mobile phone, tablet, laptop, web technologies): urrent European framework for the Digital competence DigComp and ECDL re effective learning, work and active life in higher education, later lifelong career prospects.
 modern web browse security, privacy, re 0305. Search, colled scanning, audio rece digital notebooks (C evaluation of digital 0608. Editing and c cloud and interactive (text and spreadsheet work with pdf docu (Kami, Google books 09 10. Organization modern LMS and c (Google Classroom, I) time management (skills, DigComp framework, ECDL er and its personalization sponsible use of DT ction and evaluation of digital content ording and speech resolution, optical resolution (OCR) Google keep, Evernote, Onenote) I resources (Google forms and sections) reating digital content e documents editors - Google, Microsoft, Jupyter) ments, e-books and videos s, Screencasting) n, protection and sharing of digital content loud storage Microsoft team, Google Drive, Dropbox)

- collaborative interactive whiteboards (Jamboard, Whiteboard)

- online presentations and online meetings

(Google presentations, Powerpoint, Google meet, Microsoft teams)

Recommended literature:

1. Carretero Gomez, S., Vuorikari, R. and Punie, Y., DigComp 2.1: The Digital Competence Framework for Citizens with eight proficiency levels and examples of use, Luxembourg, 2017, ISBN 978-92-79-68006-9, https://www.ecdl.sk/

2. Bruff, D. (2019). Intentional Tech: Principles to Guide the Use of Educational Technology in College Teaching (1st edition). Morgantown: West Virginia University Press.

3. Baker, Y. (2020). Microsoft Teams for Education. Amazon Digital Services.

4. Miller, H. (2021). Google Classroom + Google Apps: 2021 Edition. Brentford: Orion Edition Limited.

Course language:

slovak

Notes:

Notes:					
Course assessn					
Total number o	f assessed studen	its: 160		<u> </u>	
Α	В	С	D	E	FX
69.38	4.38	4.38	0.0	21.88	0.0
Provides: doc.	RNDr. Jozef Han	ič, PhD.			
Date of last mo	dification: 26.01	1.2022			
Approved: prot	f. Mgr. Jaroslav H	Hofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ LKSp/13	Course name: Summer Course-Rafting of TISA River
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course:
Course level: I., II.	
Prerequisities:	
- active participation	sful course completion: in line with the study rule of procedure and course guidelines ce of all tasks: carrying a canoe, entering and exiting a canoe, righting a canoe,
course syllabus and r Performance standard Upon completion of t - implement the acqu - implement basic ski - determine the right	the course students are able to meet the performance standard and: ired knowledge in different situations and practice, ills to manipulate a canoe on a waterway,
5. Canoe lifting and c	ourse: iculty of waterways ing ning using an empty canoe carrying n the water without a shore contact be out of the water

11. Capsizing	
12. Commands	
Recommended lit	erature:
1. JUNGER, J. et	al. Turistika a športy v prírode. Prešov: FHPV PU v Prešove. 2002. ISBN
8080680973.	
Internetové zdroje	
1. STEJSKAL, T.	Vodná turistika. Prešov: PU v Prešove. 1999.
1 1	s://ulozto.sk/tamhle/UkyxQ2lYF8qh/name/Nahrane-7-5-2021-v-14-46-39#! AzVkAzLkLJWuLwWxZ2ukBRLjnGqSomICMmOyZN==
Course language:	
Slovak language	

Notes:

Course assessment

Total number of assessed students: 209

abs	n
37.32	62.68

Provides: Mgr. Dávid Kaško, PhD.

Date of last modification: 29.03.2022

University: P. J. Ša	afárik Universit	y in Košice			
Faculty: Faculty of	f Science				
Course ID: KPE/ SSU/15	Course nar	ne: Teachers' S	Support Groups		
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: 1	ctice ourse-load (ho study period: 2	urs):			
Number of ECTS	credits: 2				
Recommended ser	nester/trimest	er of the cours	e: 6.		
Course level: I., II.					
Prerequisities:					
Conditions for cou	irse completio	n:			
Learning outcome	28:				
Brief outline of the	e course:				
Recommended lite	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		s: 44			
A	В	С	D	Е	FX
86.36	13.64	0.0	0.0	0.0	0.0
Provides: doc. Pae	dDr. Renáta Or	osová, PhD.			
Date of last modifi	ication: 12.03.2	2024			
Approved: prof. M	lgr. Jaroslav Ho	ofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: KPPaPZ/ECo-C1/14	Course name: Team Wo	rk ECo-C1	
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: co	ce rse-load (hours): Idy period: 28		
Number of ECTS cr			
Recommended seme	ster/trimester of the cou	rse: 3., 5.	
Course level: I., N			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the o	course:		
Recommended litera	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 142		
	abs	n	
	97.89	2.11	
Provides: PhDr. Ann	a Janovská, PhD.	- L	
Date of last modifica	ntion: 28.06.2021		
Approved: prof. Mg	. Jaroslav Hofierka, PhD.	, doc. RNDr. Peter Pristaš, CSc.	

University: P. J. Ša	fárik Univers	ity in Košice			
Faculty: Faculty of	Science				
Course ID: KPE/ TVE/08	Course na	me: Theory of E	ducation		
Course type, scope Course type: Prac Recommended co Per week: 2 Per s Course method: p	etice ourse-load (h tudy period:	ours):			
Number of ECTS	credits: 2				
Recommended sen	nester/trimes	ster of the course	e: 4., 6.		
Course level: I.					
Prerequisities:					
Conditions for cou	rse completi	on:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	erature:				
Course language:					
Notes:					
Course assessment Total number of ass		ts: 645			
A	В	С	D	Е	FX
43.72	31.01	16.59	4.96	1.71	2.02
Provides: Mgr. Beá	ita Sakalová,	doc. PaedDr. Rer	iáta Orosová, Ph	D.	
Date of last modifi	cation: 12.03	5.2024			
Approved: prof. M	gr. Jaroslav H	Iofierka, PhD., do	oc. RNDr. Peter	Pristaš, CSc.	

University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	cience	
Course ID: ÚBEV/ ZOG1/03	Course name: Zoogeography	
Course type, scope a Course type: Lectur Recommended cou Per week: 2 / 2 Per Course method: pro Number of ECTS cr	re / Practice rse-load (hours): study period: 28 / 28 esent	
Recommended seme	ster/trimester of the course:	
Course level: I., II.		
Prerequisities:		
1 1	-	

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 assessm Total number o	nent f assessed studen	ts: 1017				
А	В	С	D	Е	FX	
24.98	24.98 23.5 23.4 18.68 7.67 1.77					
Provides: prof.	RNDr. Ľubomír	Kováč, CSc.		<u>.</u>		
Date of last mo	Date of last modification: 10.12.2021					
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD., d	oc. RNDr. Peter	Pristaš, CSc.		

	COURSE INFORMATION LETTER
University: P. J. Šafái	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ ZO1/03	Course name: Zoology I
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	re / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cro	
Recommended seme	ster/trimester of the course: 3.
Course level: I.	
Prerequisities: ÚBEV	V/PMZ/10
all interim assessmen After successfully compoints from the exerce grade from the final of Continuous evaluation selected terms; the list to the picture (assign classify it into a class the students' task is to according to the pictur All interim assessmen the student must obta If students get less th completed the exercise get at least 28 points, exam, bringing with the The exam is always of More detailed information	sing the subject is active participation in mandatory exercises, completion of ts during the exercises and successful completion of the final exam. mpleting the exercises, students proceed to the final exam, bringing with them tises that make up 40% of the final grade. Students receive 60% of the final oral exam. ns during the exercises are: a test on zoological terms (knowing how to define t is published at the beginning of the semester), recognizing animals according the Slovak and scientific genus and species name to the depicted animal and s or series; the list of animals is published at the beginning of the semester, o find the correct animal pictures for the names and learn to name the animal re). Students have one correction period for the paper and animal knowledge. Ints are scored. The maximum number of points from the exercises is 40, while in at least 28 points to pass the exercises. han 28 points from the interim evaluations in the exercises, they have not es and must enroll in the subject again in the next academic year. If the students they have successfully completed the exercises and can register for the final them the points from the exercises, which make up 40% of the final grade. oral. Specific exam dates will be posted in AIS2 at the end of the semester. ation on the types of questions on the exam is published in the Moodle course nts get 60% of the final grade from the exam. idual grades:

Students will gain knowledge of the systematic classification and phylogenetic relationships of the higher groups of non-chordates, knowledge of their morphology, anatomy, mode of reproduction, biology and geographic distribution.

Brief outline of the course:

1. Fundamentals of the history of zoology.

System, anatomy, morphology, development, phylogenetic relationships and exemplary species of selected groups of invertebrates:

- 2. Porifera, Cnidaria, Ctenophora
- 3. Platyhelminthes, Rotifera, Acantocephala
- 4. Entoprocta, Ectoprocta, Cycliophora
- 5. Mollusca, Annelida
- 6. Nematode, Onychophora, Tardigrad
- 7. Arthropoda Chelicerata
- 8. Arthropoda Myriapoda
- 9. Arthropoda Crustacea (Branchiata)
- 10. Arthropoda Hexapoda / Entogantha
- 11. Arthropoda Hexapoda / Insecta Heterometabola
- 12.Arthropoda Hexapoda / Insecta Holometabola
- 13. Deusterostomia Echinodermata

Recommended literature:

Course language:

Notes:

If necessary, students have the opportunity to consult with the lecturer. Unless otherwise stated at the first lecture, consultations take place every Wednesday between 10:00 and 11:00. If the date is not convenient for someone, it is advisable to arrange a consultation date individually by contacting the lecturer by email (peter.luptacik@upjs.sk).

Course assessment

Total number of assessed students: 1306

А	В	С	D	Е	FX
8.5	16.46	22.13	21.75	23.05	8.12

Provides: RNDr. Peter L'uptáčik, PhD., RNDr. Andrea Parimuchová, PhD.

Date of last modification: 21.02.2024

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚBEV/ ZO1/15	Course name: Zoology I
Course type, scope a Course type: Lectur Recommended cou Per week: 2 / 2 Per Course method: pre	re / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cr	
Recommended seme	ester/trimester of the course: 3.
Course level: I.	
Prerequisities: ÚBE	V/PMZ/10
all interim assessment currently covered in a Continuous evaluation animals according to least 28 out of a max Mid-term tests from correction dates for the points from the tests the points from the tests is to find the correct picture). Students hav All interim assessme In addition to the point content of the teached be announced at the tests, taxonomic class of orders. By adding up all the	ssing the course is active participation in mandatory exercises, completion of its during the exercises and successful completion of 3 interim tests on topics lectures. ons during the exercises are: a test on zoological terms and determination of the picture. To successfully complete the exercises, students must obtain at imum of 40 points. the lectures will be written using the Moodle environment. There are no hese tests. Students earn points for each test. he subject is determined by adding up the points from the exercises and the within lecture topics, with the points from the exercises making up 40% and ests making up 60% of the final grade. ons during the exercises are: a test on zoological terms (know how to define ist is published at the beginning of the semester), determination of animals are (assign the Slovak and scientific genus and species name and classify them is the list of animals is published at the beginning semester, the students' task animal pictures for the names and learn to name the animal according to the ve one correction period for the test of terms and one of animal determination. Ints are scored. ints from the exercises, the points obtained for the 3 mid-term tests from the d topics will also be reflected in the final grade for the subject. Test dates will first lecture and will also be listed in the Moodle course for the subject. For sification needs to be controlled to the level of classes, for insects to the level e points from the interim evaluation within the exercises and tests from the e final grade for the subject is determined. idual grades:

E - 71.9-65.0 points FX - less than 65 points

Learning outcomes:

Students will gain knowledge of the systematic classification and phylogenetic relationships of the higher groups of non-chordates, knowledge of their morphology, anatomy, mode of reproduction, biology and geographic distribution.

Brief outline of the course:

1. Fundamentals of the history of zoology.

System, anatomy, morphology, development, phylogenetic relationships and exemplary species of selected groups of invertebrates:

- 2. Porifera, Cnidaria, Ctenophora
- 3. Platyhelminthes, Rotifera, Acantocephala
- 4. Entoprocta, Ectoprocta, Cycliophora
- 5. Mollusca, Annelida
- 6. Nematode, Onychophora, Tardigrad
- 7. Arthropoda Chelicerata
- 8. Arthropoda Myriapoda
- 9. Arthropoda Crustacea (Branchiata)
- 10. Arthropoda Hexapoda / Entogantha
- 11. Arthropoda Hexapoda / Insecta Heterometabola
- 12.Arthropoda Hexapoda / Insecta Holometabola
- 13. Deusterostomia Echinodermata

Recommended literature:

Course language:

Notes:

If necessary, students have the opportunity to consult with the lecturer. The exact date has not been set. Consultations must be arranged individually with the lecturer at the email address peter.luptacik@upjs.sk.

Course assessment

Total number of assessed students: 323

А	В	С	D	Е	FX
9.29	19.2	22.6	25.08	16.1	7.74

Provides: RNDr. Peter L'uptáčik, PhD., RNDr. Andrea Parimuchová, PhD.

Date of last modification: 21.02.2024

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty o	f Science				
Course ID: ÚBEV ZOO1/03	V/ Course na	me: Zoology II			
Course type, scop Course type: Lea Recommended c Per week: 2 / 2 P Course method:	eture / Practice ourse-load (h er study perio	ours):			
Number of ECTS	credits: 5				
Recommended se	mester/trimes	ter of the cours	se: 4.		
Course level: I.					
Prerequisities: ÚI	BEV/PMZ/10				
Conditions for co	urse completi	on:			
Learning outcom Fundamental info		onomy and mor	phology of verte	brates	
Systematic and pl amphibians, reptil 1. Introduction 2. Chordata, Proto 3. Verrtebrata intro 4. Agnatha 5. Chondrichthyes 6. Osteognathosto 7. Actinopterygii 8. Sarcopterygii 9. Tetrapoda 10. Lissamphibia 11. Reptilia 12. Aves 13. Mammalia	es, bidrs and n chordata oduction mata	-	ertebrate. Review	w of important g	roups of fishes,
	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 1116			
A	В	С	D	E	FX
22.49	28.58	18.82	15.32	9.5	5.29
Provides: doc. RN	Dr. Marcel Uł	rin, PhD., unive	erzitný profesor,	RNDr. Monika B	alogová, PhD.

Date of last modification: 20.09.2021

Fooultry Foo-14					
raculty: Faculty	y of Science				
Course ID: ÚBI ZOO1/15	EV/ Course na	ame: Zoology II			
Recommended	Lecture / Practice l course-load (h 2 Per study peri	ours):			
Number of ECT	FS credits: 4				
Recommended	semester/trimes	ster of the cours	e: 4.		
Course level: I.					
Prerequisities:	ÚBEV/PMZ/10				
Conditions for a	course completi	on:			
Learning outco Fundamental int		onomy and morp	hology of verteb	prates	
Brief outline of	the course				
Systematic and fishes, amphibia Verrtebrata intro	l phylogenetic ans, reptiles, bio oduction 4. Agna	lrs and mammal	s. 1. Introduction thyes 6. Osteogram	eview of import n 2. Chordata, P nathostomata 7. A s 13. Mammalia	rotochordata 3.
Systematic and fishes, amphibia Verrtebrata intro	l phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L	lrs and mammal tha 5. Chondrich	s. 1. Introduction thyes 6. Osteogram	n 2. Chordata, P athostomata 7. A	rotochordata 3.
Systematic and fishes, amphibia Verrtebrata intro Sarcopterygii 9.	l phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L literature:	lrs and mammal tha 5. Chondrich	s. 1. Introduction thyes 6. Osteogram	n 2. Chordata, P athostomata 7. A	rotochordata 3.
Systematic and fishes, amphibia Verrtebrata intro Sarcopterygii 9. Recommended	l phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L literature:	lrs and mammal tha 5. Chondrich	s. 1. Introduction thyes 6. Osteogram	n 2. Chordata, P athostomata 7. A	rotochordata 3.
Systematic and fishes, amphibia Verrtebrata intro Sarcopterygii 9. Recommended Course languag Notes: Course assessm	l phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L literature:	Irs and mammal tha 5. Chondrich issamphibia 11.	s. 1. Introduction thyes 6. Osteogram	n 2. Chordata, P athostomata 7. A	rotochordata 3.
Systematic and fishes, amphibia Verrtebrata intro Sarcopterygii 9. Recommended Course languag Notes: Course assessm	l phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L literature: ge:	Irs and mammal tha 5. Chondrich issamphibia 11.	s. 1. Introduction thyes 6. Osteogram	n 2. Chordata, P athostomata 7. A	rotochordata 3.
Systematic and fishes, amphibia Verrtebrata intro Sarcopterygii 9. Recommended Course languag Notes: Course assessm Total number of	I phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L literature: ge: ent f assessed studen	Irs and mammal tha 5. Chondrich issamphibia 11. 1 ts: 264	s. 1. Introduction thyes 6. Osteogn Reptilia 12. Aves	n 2. Chordata, P aathostomata 7. A s 13. Mammalia	rotochordata 3. .ctinopterygii 8.
Systematic and fishes, amphibia Verrtebrata intro Sarcopterygii 9. Recommended Course languag Notes: Course assessm Total number of A 1.52	l phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L literature: ge: ent Fassessed studen B 20.08	Irs and mammal tha 5. Chondrich issamphibia 11. 1 ts: 264 C 31.06	s. 1. Introduction thyes 6. Osteogr Reptilia 12. Aves D 18.18	n 2. Chordata, P nathostomata 7. A s 13. Mammalia E	FX 10.61
Systematic and fishes, amphibia Verrtebrata intro Sarcopterygii 9. Recommended Course languag Notes: Course assessm Total number of A 1.52	l phylogenetic ans, reptiles, bio oduction 4. Agna Tetrapoda 10. L literature: ge: ent Fassessed studen B 20.08 RNDr. Marcel UI	Irs and mammal tha 5. Chondrich issamphibia 11. 1 ts: 264 C 31.06 nrin, PhD., unive	s. 1. Introduction thyes 6. Osteogr Reptilia 12. Aves D 18.18	n 2. Chordata, P nathostomata 7. A s 13. Mammalia E 18.56	FX 10.61