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University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: CJP/ PFAJAKA/07	Course name: Academic English
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course:
Course level: I.	
Prerequisities:	
Conditions for cours Active classroom par 1 test (13th week), no Presentation on chose Final evaluation- ave Grading scale: A 93-	ticipation, assignments handed in on time, 2 absences tolerated o retake. en topic rage assessment of test (50%), and presentation (50%). 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less
Learning outcomes: The development of so of their linguistic cor syntactic aspects, dev for a given purpose, v	students' language skills - reading, writing, listening, speaking, improvement npetence - students acquire knowledge of selected phonological, lexical and relopment of pragmatic competence - students can effectively use the language with focus on Academic English, level B2.
Brief outline of the c Formal and informal Academic English an Key academic verbs a Linking words in aca Word-formation - aff abstract Selected aspects of E Selected functional a paraphrasing	ourse: English Id its specific features and nouns demic writing, writing a paragraph, word-order, topic sentences ixation nglish pronunciation, academic vocabulary grammar structures - defining, classifying, epressing opinion, cause-effect,
Recommended litera Seal B.: Academic En T. Armer :Cambridge M. McCarthy M., O' Zemach, D.E, Rumis Olsen, A. : Active Vo www.bbclearningeng Cambridge Academic	ncounters, CUP, 2002 English for Scientists, CUP 2011 Dell F Academic Vocabulary in Use, CUP 2008 ek, L.A: Academic Writing, Macmillan 2005 ocabulary, Pearson, 2013 lish.com c Content Dictionary, CUP, 2009

Course langua English langua	ge: ge, level B2 acco	rding to CEFR.			
Notes:					
Course assessm Total number o	nent f assessed studen	ts: 435			
А	В	С	D	Е	FX
36.09	22.3	14.94	9.89	5.75	11.03
Provides: Mgr.	Viktória Mária S	lovenská		•	
Date of last mo	dification: 11.09	.2024			
Approved: prot	f. Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG SPB1/21	E/ Course na	ame: Bachelor T	nesis Project Sen	ninar 1	
Course type, sc Course type: H Recommended Per week: 2 Pe Course metho	ope and the met Practice d course-load (h er study period: d: present	thod: ours): 28			
Number of EC	FS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	ion:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:				=	
Course assessm Total number of	ent f assessed studen	ıts: 51			
A B C D E FX					
88.24 7.84 3.92 0.0 0.0 0.0					
Provides: prof.	Mgr. Jaroslav Ho	ofierka, PhD., do	c. Mgr. Ladislav	Novotný, PhD.	
Date of last mo	dification: 27.06	5.2022			
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.		_	

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG SPB2/21	E/ Course na	ame: Bachelor T	hesis Project Sem	ninar 2		
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the met Practice I course-load (h er study period: d: present	thod: ours): 28				
Number of EC	IS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 6.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ts: 32				
А	A B C D E FX					
68.75	68.75 25.0 6.25 0.0 0.0 0.0					
Provides: prof.	Mgr. Jaroslav Ho	ofierka, PhD., Mg	gr. Katarína Onač	tillová, PhD.		
Date of last mo	dification: 27.06	5.2022				
Approved: prof	. Mgr. Jaroslav H	Iofierka, PhD.				

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG BPO/14	E/ Course na	me: Bachelor Th	nesis and its Def	ence	
Course type, sc Course type: Recommended Per week: Per Course metho	ope and the met l course-load (h r study period: d: present	thod: ours):			
Number of EC	TS credits: 4				
Recommended	semester/trimes	ster of the cours	2:		
Course level: 1.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 209			
А	В	С	D	E	FX
38.76	26.79	16.75	8.61	7.66	1.44
Provides:					
Date of last mo	dification: 07.12	2.2021			
Approved: prof	² Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG ZKAR/21	E/ Course na	ame: Basics of K	arstology and Sp	eleology		
Course type, sc Course type: I Recommended Per week: 1 / 1 Course method	ope and the met Lecture / Practice I course-load (h Per study peri d: present	thod: ; ours): od: 14 / 14				
Number of EC	FS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 4.			
Course level: I.,	, II.					
Prerequisities:	Prerequisities:					
Conditions for	Conditions for course completion:					
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ts: 18				
А	A B C D E FX					
66.67	66.67 11.11 11.11 11.11 0.0 0.0					
Provides: RND	r. Alena Gessert,	PhD., univerzitn	á docentka, doc.	Ing. Katarína Bó	onová, PhD.	
Date of last mo	dification: 07.02	2.2025				
Approved: prof	°. Mgr. Jaroslav H	Iofierka, PhD.				

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG ZPRO/21	E/ Course n a	ame: Basics of p	rogramming (Pyt	hon)		
Course type, sc Course type: I Recommended Per week: 1 / 3 Course metho	ope and the met Lecture / Practice d course-load (h 3 Per study peri d: present	thod: c ours): od: 14 / 42				
Number of EC	ΓS credits: 4					
Recommended	semester/trimes	ster of the cours	e: 3.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ıts: 33				
А	A B C D E FX					
48.48	48.48 36.36 9.09 3.03 3.03 0.0					
Provides: prof.	Mgr. Jaroslav Ho	ofierka, PhD.				
Date of last mo	dification: 30.09	9.2021				
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.		_		

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG ZDPZ/21	E/ Course na	ame: Basics of re	mote sensing of	the Earth		
Course type, sc Course type: 1 Recommended Per week: 2 / 2 Course metho	cope and the met Lecture / Practice d course-load (h 2 Per study peri d: present	thod: ours): od: 28 / 28				
Number of EC	TS credits: 6					
Recommended	semester/trimes	ster of the cours	e: 4.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	nent f assessed studen	ts: 29				
А	В	С	D	Е	FX	
41.38	41.38 20.69 24.14 13.79 0.0 0.0					
Provides: doc. 1	Mgr. Michal Gall	ay, PhD., Mgr. K	atarína Onačillo	vá, PhD.	<u>I</u>	
Date of last mo	dification: 18.04	4.2021				
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J. Šafa	árik University in Košice				
Faculty: Faculty of S	Science				
Course ID: ÚGE/ KRT1/21	ourse ID: ÚGE/ Course name: Cartography and Geoinformatics 1 RT1/21 RT1/21				
Course type, scope a Course type: Lectu Recommended cou Per week: 2 / 2 Per Course method: pr	and the method: re / Practice irse-load (hours): • study period: 28 / 28 resent				
Number of ECTS ci	redits: 5				
Recommended seme	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: 169

А	В	С	D	Е	FX
13.02	14.79	28.99	27.81	14.79	0.59

Provides: Mgr. Michaela Nováková, PhD., prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Loránt Pregi, PhD., Mgr. Jozef Šupinský, PhD.

Date of last modification: 19.09.2023

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG KRT2/21	Course ID: ÚGE/ KRT2/21Course name: Cartography and Geoinformatics 2					
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the met Practice d course-load (h er study period: d: present	thod: ours): 28				
Number of EC	FS credits: 2					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	Course assessment Total number of assessed students: 67					
А	В	С	D	Е	FX	
56.72 22.39 11.94 5.97 0.0 2.99						
Provides: Mgr. Ján Šašak, PhD., Mgr. Petra Dávidová						
Date of last mo	Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: CJF PFAJKKA/07	Course na	ame: Communica	ative Competenc	e in English		
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 EC	TS credits: 2					
Recommended	semester/trimes	ster of the cours	e:			
Course level: I.						
Prerequisities:						
Conditions for Active participa two classes at th 2 credit tests (p Final evaluation Final grade will FX 64 % and le Learning outco Brief outline of Recommended www.bbclearnin Štěpánek, Libon 2011. McCarthy M., C Fictumova J., C	course completi ation in class and he most. resumably in wea n consists of the s be calculated as ess. omes: T the course: literature: ngenglish.com r a kol. Academia D'Dell F.: English ceccarelli J., Lon	on: l completed home eks 6/7 and 12/13 scores obtained fo follows: A 93-10 c English-Akaden n Vocabulary in U g T.: Angličtina, 1	ework assignmen 3) and an oral pro- or the 2 tests (50 0 %, B 86-92%, 0 mická angličtina Jse, Upper-Intern konverzace pro p	nts. Students are a esentation in Eng %). C 79-85%, D 72-7 . Praha: Grada Pu mediate. CUP, 19 pokročilé. Barrist	allowed to miss lish. 78%, E 65-71%, 	
Principal, 2008	·		1 1			
Peters S., Graf T.: Time to practise. Polyglot, 2007. Jones L.: Communicative Grammar Practice. CUP, 1985. Additional study materials.						
Course language: English language, B2-C1 level according to CEFR						
Notes:						
Course assessment Total number of assessed students: 303						
А	В	С	D	Е	FX	
45.21	21.12	17.49	7.59	5.94	2.64	
Provides: Mgr.	Barbara Mitríkov	vá, Mgr. Viktória	Mária Slovensk	á		

Date of last modification: 06.02.2025

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J. Šafári	ik University in Košice							
Faculty: Faculty of Sc	Faculty: Faculty of Science							
Course ID: CJP/ PFAJGA/07	Course name: Communicative Grammar in English							
Course type, scope an Course type: Practice Recommended course Per week: 2 Per stud Course method: pres	nd the method: e se-load (hours): ly period: 28 sent							
Number of ECTS cre	dits: 2							
Recommended semes	ter/trimester of the course:							
Course level: I.								
Prerequisities:								
Conditions for course Active classroom parti by given deadlines. Presentation of a topic Final Test - end of sem Final assessment = ave Grading scale: A 93-1	e completion: cipation (maximum 2 absences tolerated), homework assignments completed e related to the study field. nester, no retake erage of test and presentation. 00%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less							
Learning outcomes: The development of st of their communicat phonological, lexical at efectively use the lang level B2.	tudents' language skills - reading, writing, listening, speaking, improvement tive linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can guage for a given purpose, with focus on Academic English and English on							
Brief outline of the co Selected aspects of En Word formation Contrast of tenses in E The passive voice Types of Conditionals Phrasal verbs and Eng Words order and collo	purse: aglish grammar and pronunciation English dish idioms cations, prepositional phrases							
Recommended literat Vince M.: Macmillan McCarthy, O'Dell: Eng www.linguahouse.com esllibrary.com bbclearningenglish.com ted.com/talks	ture: Grammar in Context, Macmillan, 2008 glish Vocabulary in Use, CUP, 1994 n m							

English language, level B2 according to CEFR.

Notes:

Notes:								
Course assessn	Course assessment							
Total number o	f assessed studen	ts: 446						
А	В	С	D	Е	FX			
41.48	19.51	15.7	7.85	5.61	9.87			
Provides: Mgr.	Provides: Mgr. Viktória Mária Slovenská, Mgr. Lýdia Markovičová, PhD.							
Date of last modification: 08.02.2025								
Approved: prot	f. Mgr. Jaroslav H	Iofierka, PhD.						

University: P. J. Šafán	University: P. J. Šafárik University in Košice						
Faculty: Faculty of So	cience						
Course ID: KGER/ NJKG/07	Course ID: KGER/ Course name: Communicative Grammar in German Language NJKG/07 Visite Communicative Grammar in German Language						
Course type, scope an Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre Number of ECTS cro	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present						

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 language: German, Slovak language							
Notes:							
Course assessm Total number o	nent of assessed student	s: 58					
А	В	B C D E FX					
62.07	10.34	8.62	3.45	8.62	6.9		
Provides: Mgr.	Provides: Mgr. Ulrika Strömplová, PhD.						
Date of last modification: 13.08.2024							
Approved: pro	f. Mgr. Jaroslav H	ofierka, PhD.					

University: P. J. Šafărik University in Košice Faculty: Faculty of Science Course ID: ÚGE/ Course name: Country and society KAS/21 Course type, scope and the method: Course type, Lecture / Practice Recommended course-load (hours): Per week: 1 /1 Per study period: 14 / 14 Course method: present Number of ECTS credits: 4 Recommended semester/trimester of the course: 1. Course level: I. Prerequisities: The course is completed with a written final exam aimed to the verification of acquired theoretical knowledge and practical skills. Its weight in the final grading is 50%. Another 50% are results of continuous grading during the semester. To get a grading, at least 50% must be gained in both parts (final and continuous) of evaluation. Continuous grading consist of writen tests (30%), elaboration and presentation of essay on asigned topic (60%), and active diseusions on topics announced in advance by the lecture: Active participation with max. two absences is a condition to get a grading. To obtain the final grade A, it is necessary to obtain a weighted average of the continuous evaluation and final exam of 90% or more, for the B grade it is 80%, for the C grade 70%, for the D grade 60% and for the E grade 50%. Learning outcomes: Knowledge: Students know the basic geographical features of individual world's macroregions. They know where approximatelly are boundaries, cores and areas where features of several macroregions overlap. The student understands the basic regularitites and eausations of the distribution of ge		
Faculty: Faculty of Science Course ID: ÚGF/ KAS/21 Course name: Country and society KAS/21 Course type, scope and the method: Course type: Lecture / Practice Recommended ourse-load (hours): Per weck: 1 / 1 Per study period: 14 / 14 Course method: present Number of ECTS credits: 4 Recommended semester/trimester of the course: 1. Course level: 1. Prerequisities: Continuous grading during the semester. To get a grading, at least 50% must be gained in both parts (final and continuous) of evaluation. Continuous grading consist of writen tests (30%), elaboration and presentation of essay on assigned topic (60%), and active discussions on topics announced in advance by the lecturer. Active participation with max. two absences is a condition to get a grading. To obtain the final grade A, it is necessary to obtain a weighted average of the continuous evaluation and final exam of 90% on more, for the B grade it is 80%, for the C grade 70%, for the D grade 60% and for the E grade 50%. Learning outcomes: They know where aproximatelly are boundaries, cores and areas where features of several macroregions overlap. The student understands the basic regularities and causations of the distribution of geographical phenomena in global space. Skills: Students are familiar with thematic databases, are able to identify key indicators in them. They are well versed in the available literature, they can identify professionally relevants of several macroregions overlap. The student understands the basic regularities and causations of the distribution of geographical phenomena. Students have improved skills in working with th	University: P. J. Šafá	rik University in Košice
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Recommended semester/trimester of the course: 1. Course level: I. Prerequisities: Conditions for course completion: The course is completed with a written final exam aimed to the verification of acquired theoretical knowledge and practical skills. Its weight in the final grading is 50%. Another 50% are results of continuous grading during the semester. To get a grading, at least 50% must be gained in both parts (final and continuous) of evaluation. Continuous grading consist of writen tests (30%), elaboration and presentation of essay on assigned topic (60%), and active discussions on topics announced in advance by the lecturer. Active participation with max. two absences is a condition to get a grading. To obtain the final grade A, it is necessary to obtain a weighted average of the continuous evaluation and final exam of 90% or more, for the B grade it is 80%, for the C grade 70%, for the D grade 60% and for the E grade 50%. Learning outcomes: Knowledge: Students know the basic geographical features of individual world's macroregions. They know where aproximatelly are boundaries, cores and areas where features of several macroregions overlap. The student understands the basic regularities and causations of the distribution of geographical phenomena in global space. Skills: Students are familiar with thematic databases, are able to identify key indicators in them. They are well versed in the available literature, hey can identify professionally relevant sources. Students an interpret the impact of the characteristics of individual macroregions on current environmental, social, political, economic and security developments in the context of vertic	Number of ECTS cr	edits: 4
Course level: I. Prerequisities: Conditions for course completion: The course is completed with a written final exam aimed to the verification of acquired theoretical knowledge and practical skills. Its weight in the final grading is 50%. Another 50% are results of continuous grading during the semester. To get a grading, at least 50% must be gained in both parts (final and continuous) of evaluation. Continuous grading consist of writen tests (30%), elaboration and presentation of essay on assigned topic (60%), and active discussions on topics announced in advance by the lecturer. Active participation with max. two absences is a condition to get a grading. To obtain the final grade A, it is necessary to obtain a weighted average of the continuous evaluation and final exam of 90% or more, for the B grade it is 80%, for the C grade 70%, for the D grade 60% and for the E grade 50%. Learning outcomes: Knowledge: Students know the basic geographical features of individual world's macroregions. They know where aproximatelly are boundaries, cores and areas where features of several macroregions overlap. The student understands the basic regularities and causations of the distribution of geographical phenomena in global space. Skills: Students are familiar with thematic databases, are able to identify key indicators in them. They are well versed in the available literature, they can identify professionally relevant sources. Students can interpret the impact of the characteristics of individual macroregions on current environmental, social, political, economic and security developments in the context of vertical and horizontal interactions betweengeographical phenomena. Students have impro	Recommended seme	ster/trimester of the course: 1.
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Dife buttine of the course.	Learning outcomes: Knowledge: Students They know where a macroregions overla distribution of geogra Skills: Students are f They are well versed Students can interpre- environmental, social horizontal interaction with the atlas and var Competences: Stude regional-geographic phenomena based on in a comprehensible student builds presen discussion on geogra a discussion.	s know the basic geographical features of individual world's macroregions. approximatelly are boundaries, cores and areas where features of several p. The student understands the basic regularities and causations of the aphical phenomena in global space. amiliar with thematic databases, are able to identify key indicators in them. in the available literature, they can identify professionally relevant sources. et the impact of the characteristics of individual macroregions on current l, political, economic and security developments in the context of vertical and s between geographical phenomena. Students have improved skills in working ious forms of maps. nts are competent to compose a professional opinion, an essay on basic topics. In them, they can formulate expert opinions on geographical relevant studies, documents and data. They are able to present these opinions way and to argue about them objectively in the discussion. In this way, the tation competences, the basics of the competence to moderate a professional phical topics, or to be an active and objectively debating participant in such
	Brief outline of the c	ourse:

During the semester, students will become familiar with the basic geographical features of the world's macro-regions in lectures, while the emphasis will be placed on the interdependence between the spatial distribution of individual phenomena.

In terms of content, the subject is divided into the following areas: (1) Basic geographical definition of world's macroregions according to population, cultural and economic criteria (1st lecture); (2) movements of lithospheric plates and formation of today's shape of world's landscape (2nd lecture), formation of the current relief, basic geomorphological units (3rd lecture); (3) Climatic-geographical and hydrological-geographical conditions (influence of individual factors on the formation of climatic conditions of regions, basic climatic zones, river basins, river network, non-drainage areas, lakes according to genesis and location) (4th lecture); (4) Basic pedogeographical and biogeographical conditions, landscape protection (5th lecture); (5) Historical-political development of the world in the context of world's macro-regions (6th and 7th lectures); (6) Population and settlements (population development (8th lecture), racial and ethnic composition of the population, linguistic structure of the population (9th lecture), natural reproduction and migration of the population (10th lecture), settlements and urbanisation (11th lecture)); (7) Economy (development of the economy and general characteristics of the economy, types of countries and regions according to the nature of the economy (12th lecture); (8) Synthesis of geographical knowledge of individual macroregions (13th lecture).

Exercises: In the first part of the semester, the exercises will reflect the content of the above topics. Directly during the exercises, using worksheets prepared by the teacher, the student applies knowledge from the lectures, practices orientation in the atlas and working with online data sources, both within group and individual activities. At the beginning of the semester, the teacher presents a database of topics, from which the student chooses one to write an essay on as part of an independent work. Student will prepare a presentation of the essay, which she/he will present as part of the exercises in the second part of the semester and discuss the topic together with other students and the teacher. Written examinations will take place directly at the exercises.

Recommended literature:

ANDĚL, J. et al. 2019: Makroregiony světa: Nová regionální geografie. Praha (Karolinum), 326 p.

NIJMAN, J., et al. 2019: Regions. New York (Willey), 490 p.

OCE 2019: Countries, Rankings, Visualiazations. The Observatory of Economic Complexi-ty. Available at: https://atlas.media.mit.edu/en/.

ČEMAN, R. 2017: Školský geografický atlas Svet. Bratislava (Mapa Slovakia), 112 s.

DE BLIJ, H. J. et al: 2013: The World Today - Concepts and Regions in Geography, 6th edition. New York (Wiley), 528 p.

BRADSHAW, W. et al. 2012: Contemporary World Regional Geography, 4th edition. New York (McGrawHill), 620 p.

HOBBS, J. J. 2010: Fundaments of World Regional Geography, 2nd edition. Belmont (Bro-oks/Cole), 438 p.

BAAR, V. 2002: Národy na prahu 21. století. Emancipace nebo nacionalismus? Ostrava (Ostravská univerzita), 416 s.

Course language:

Slovak, English

Notes:

Course assessment							
Total number o	f assessed studen	ts: 43					
А	A B C D E FX						
18.6	30.23	32.56	11.63	4.65	2.33		
Provides: doc.	Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD.						
Date of last modification: 06.07.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚGE/ KULG/21Course name: Cultural Geography						
Course type, sc Course type: I Recommended Per week: 2 / 1 Course metho	ope and the met Lecture / Practice I course-load (h Per study peri d: present	thod: ours): od: 28 / 14				
Number of EC	I'S credits: 4		-			
Recommended	semester/trimes	ster of the cours	e: 5.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ts: 52				
А	В	С	D	Е	FX	
57.69	57.69 19.23 21.15 1.92 0.0 0.0					
Provides: Mgr. Marián Kulla, PhD., prof. Mgr. Jaroslav Hofierka, PhD.						
Date of last mo	dification: 27.06	5.2022				
Approved: prof	² . Mgr. Jaroslav H	Iofierka, PhD.				

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	nd the method: ce rse-load (hours): dy period: 28 esent
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 1.
Course level: I.	
Prerequisities:	
Conditions for cours Assessment is based the semester. The over evaluation. The evalu- points), C (70-79 points)	e 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 nation 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).
Learning outcomes: Knowledge: The stu 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 O Competences: The stu of geography. The rest of ICT literacy. The sta	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 tudent is able to independently use ICT tools.
Brief outline of the c Important and usefu university for studen operating systems, da SR, Soil portal, ŠGÚ the essence of vector databases (formulas, Using MS PowerPoin	ourse: I information regarding the study, standards and services provided by the nts (WiFi, information retrieval, websites, citation manager - CitacePro) ta 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. In to create presentations and posters.
Recommended litera KAŇUK, J., 2015. Pr Prírodovedecká fakul	t ure: riestorové analýzy a modelovanie. Vysokoškolské učebné texty. ta 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 language:						
Notes:						
Course assessment Total number of assessed students: 172						
А	В	С	D	Е	FX	
58.14	23.84	11.63	3.49	1.16	1.74	
Provides: Mgr.	Provides: Mgr. Daniela Buchalová, Mgr. Petra Dávidová					
Date of last modification: 27.06.2022						
Approved: prot	f. Mgr. Jaroslav H	Iofierka, PhD.				

University: P. J.	. Šafárik Univers	sity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚGE/ EKG/21Course name: Economic geography						
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present						
Number of EC	IS credits: 6		2			
Recommended	semester/trime	ster of the cours	e: 3.			
Course level: 1.						
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	Course assessment Total number of assessed students: 110					
А	В	С	D	Е	FX	
12.73	12.73 12.73 21.82 23.64 25.45 3.64					
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD., Mgr. Nikola Svetozarov						
Date of last mo	dification: 27.06	5.2022				
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Science						
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	nd the method: ce rse-load (hours): dy period: 28 esent					
Number of ECTS cro	edits: 2					
Recommended seme	ster/trimester of the course: 2.					
Course level: I.						
Prerequisities:						
Conditions for cours Active participation i 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 admitted assessment The exam test results represent the other 50 The final grade for th A 93-100, B 86-92, C Learning outcomes: Enhancement of stude in English for specifie Students obtain know	e completion: 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 0% of the final grade. e course will be calculated as follows: 2 79-85, D 72-78, E 65-71, FX 64 and less. 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					
English, improve thei purpose, and acquire sciences.	r pragmatic competence - students can effectively use the language for a given presentation skills at B2 level (CEFR) with focus on terminology of natural					
 Brief outline of the c 1. Introduction to stud 2. Selected aspects of 3. Talking about acad 4. Discussing science 5. Defining scientific 6. Expressing cause a 7. Describing structure 8. Explaining process 9. Comparing objects 	ourse: dying language i scientific language lemic study terminology and concepts and effect res ses s, structures and concepts					

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: 3246

А	В	С	D	Е	FX	
38.63	26.31	16.3	9.52	7.18	2.06	
Provides: Mgr. Viktória Mária Slovenská, Mgr. Lenka Klimčáková						

Date of last modification: 06.02.2024

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	Šafárik Univers	ity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚG ENG1/21	E/ Course na	Course name: Environmental Geology					
Course type, sc Course type: I Recommended Per week: 1 / 1 Course method	ope and the met Lecture / Practice l course-load (h Per study peri d: present	thod: c ours): od: 14 / 14					
Number of EC	I'S credits: 3						
Recommended	semester/trimes	ster of the cours	e: 3.				
Course level: I.,	, II						
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	mes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number of	ent f assessed studen	ıts: 12					
Α	В	С	D	Е	FX		
8.33	8.33 41.67 41.67 8.33 0.0 0.0						
Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Imrich Sládek, PhD.							
Date of last mo	dification: 08.02	2.2025					
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.					

University: P. J.	. Šafárik Univers	sity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG HYP/15	GE/ Course name: Fieldwork in Hydrology					
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 EC	I'S credits: 3					
Recommended	semester/trime	ster of the cours	e: 4.			
Course level: I.						
Prerequisities:						
Conditions for	course complet	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessment Total number of assessed students: 80						
А	В	С	D	Е	FX	
93.75 5.0 0.0 1.25 0.0 0.0						
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Jozef Šupinský, PhD.						
Date of last modification: 13.02.2025						
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

Faculty: Faculty of Science Course ID: ÚGE/ GEP2/18 Course name: Fundamentals of Geology for Geographers GEP2/18 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: Lcarning outcomes: Image: Course assessment Brief outline of the course: Course have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of Slovakia, basics of the historical geology and palcontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarina Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021	University: P. J. Šaf	fárik Univers	ity in Košice					
Course ID: UGE/ GEP2/18 Course name: Fundamentals of Geology for Geographers Gep2/18 Course type, scope and the method: 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: 1. Prerequisities: Conditions for course completion: Learning outcomes: Second (hours): Present in the course: Brief outline of the course: Course have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Course language: Notes: Course language: Course language: Notes: Course language: A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarina Bónová, PhD., Mgr. Anton Uhrin Danewed: prof. Mgr. Larselay Hoferka PhD	Faculty: Faculty of	Faculty: Faculty of Science						
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: Learning outcomes: Brief outline of the course: Course shave following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 D E A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarina Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021	Course ID: ÚGE/ GEP2/18	Course name: Fundamentals of Geology for Geographers						
Number of ECTS credits: 6 Recommended semester/trimester of the course: 1. Course level: 1. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Vertex Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarina Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021 Anneroved: nrof Mgr. Jaroslay Hofferka PhD	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							
Recommended semester/trimester of the course: 1. Course level: 1. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021 Annroved: nrof Mgr. Jaroslay Hofferka PhD	Number of ECTS c	redits: 6						
Course level: I. Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: $30.09.2021$ Annroved: prof. Mgr. Jaroslay Hofierka. PhD	Recommended sem	ester/trimes	ster of the cours	e: 1.				
Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: $30.09.2021$	Course level: I.							
Conditions for course completion: Learning outcomes: Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: $30.09.2021$	Prerequisities:							
Learning outcomes: Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021	Conditions for cou	rse completi	on:					
Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcame metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology. Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021	Learning outcomes							
Recommended literature: Course language: Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021	Brief outline of the Courses have follow occur in the Earth (g minerals, taxology of metamorphosis, bas paleontology.	course: wing objecti global tectoni of intrusive ro sics of the re	ves: firstly, to in ics, species of ma ocks, taxology of gional geology of	troduce the cur gmatism), seco sedimentary roc of Slovakia, bas	rrent theories of p ndly, to describe t eks and rocks white sics of the histori	processes which he rock-forming ch had overcame cal geology and		
Course language:Notes:Course assessmentTotal number of assessed students: 1246ABCDFX7.6218.332.4225.929.795.94Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton UhrinDate of last modification: 30.09.2021Annroved: prof Mgr. Jaroslay Hofierka PhD	Recommended liter	rature:						
Notes: Course assessment Total number of assessed students: 1246 A B C D E FX 7.62 18.3 32.42 25.92 9.79 5.94 Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021 Annroved: prof. Mgr. Jaroslay Hofierka. PhD	Course language:							
Course assessment Total number of assessed students: 1246ABCDEFX7.6218.332.4225.929.795.94Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton UhrinDate of last modification: 30.09.2021Annroved: prof. Mgr. Jaroslay Hofierka, PhD.	Notes:							
ABCDEFX7.6218.332.4225.929.795.94Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton UhrinDate of last modification: 30.09.2021Annroyed: prof. Mgr. Jaroslay Hofierka, PhD.	Course assessment Total number of assessed students: 1246							
7.6218.332.4225.929.795.94Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton UhrinDate of last modification: 30.09.2021Annroved: prof. Mgr. Jaroslav Hofierka, PhD.	Α	В	С	D	Е	FX		
Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin Date of last modification: 30.09.2021 Annroved: prof. Mgr. Jaroslav Hofierka, PhD	7.62	7.62 18.3 32.42 25.92 9.79 5.94						
Date of last modification: 30.09.2021 Approved: prof Mgr. Jaroslay Hofierka, PhD	Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Anton Uhrin							
Annroved: prof Mgr. Jaroslav Hofierka, PhD	Date of last modifie	cation: 30.09	0.2021					
	Approved: prof. Mg	gr. Jaroslav H	Iofierka, PhD.					

University: P. J. Šafa	árik University in Košice			
Faculty: Faculty of S	Science			
Course ID: ÚGE/ GIS/15	Course name: Geographic Information Systems			
Course type, scope a Course type: Lectu Recommended cou Per week: 2 / 2 Per Course method: pr	and the method: are / Practice arse-load (hours): • study period: 28 / 28 resent			
Number of ECTS cr	redits: 6			
Recommended sem	ester/trimester of the course: 3.			
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 mid-term 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: 414

А	В	С	D	Е	FX
27.54	27.05	27.29	12.8	5.31	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.

University: P. J.	. Šafárik Univers	ity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚG GEO1/15	ID: ÚGE/ Course name: Geography						
Course type, sc Course type: Recommended Per week: Per Course metho	ope and the met d course-load (h r study period: d: present	thod: ours):					
Number of EC	IS credits: 4						
Recommended	semester/trimes	ster of the cours	e:				
Course level: I.							
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	mes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number of	ent f assessed studen	ts: 91					
А	В	С	D	Е	FX		
14.29	14.29 21.98 26.37 19.78 16.48 1.1						
Provides:							
Date of last modification: 26.02.2025							
Approved: prof	² . Mgr. Jaroslav H	Iofierka, PhD.					

University: P. J.	University: P. J. Šafárik University in Košice						
Faculty: Faculty	y of Science						
Course ID: ÚG GNB/21	E/ Course na	E/ Course name: Geography of Religion					
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method: present							
Number of EC	TS credits: 3						
Recommended	semester/trimes	ster of the cours	e: 3.				
Course level: I.							
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	mes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number of	Course assessment Total number of assessed students: 28						
А	В	С	D	Е	FX		
17.86	17.86 14.29 32.14 25.0 10.71 0.0						
Provides: doc. Mgr. Ladislav Novotný, PhD.							
Date of last modification: 27.06.2022							
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.						
University: P. J.	. Šafárik Univers	sity in Košice					
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Faculty: Faculty	y of Science						
Course ID: ÚG GPOL/21	ID: ÚGE/ 1Course name: Geography of agriculture and industry						
Course type, sc Course type: I Recommended Per week: 1 / 1 Course metho	ope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: c ours): od: 14 / 14					
Number of EC	FS credits: 3						
Recommended	semester/trimes	ster of the cours	e: 4.				
Course level: I.							
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	mes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number of	ent f assessed studen	ts: 19					
А	В	С	D	Е	FX		
31.58	31.58 15.79 26.32 10.53 15.79 0.0						
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD.							
Date of last mo	dification: 14.02	2.2023					
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.		_			

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG MOG/24	Course ID: ÚGE/ Course name: Geography of mining 10G/24 IOG/24					
Course type, sc Course type: I Recommended Per week: 1 / 1 Course metho	ope and the met Lecture / Practice I course-load (h I Per study peri d: present	thod: c ours): od: 14 / 14				
Number of EC	IS credits: 2					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: 1.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ts: 1				
А	В	С	D	Е	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides: doc. 1	ng. Katarína Bói	nová, PhD., Mgr.	Imrich Sládek, P	hD.		
Date of last mo	dification: 05.02	2.2025				
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J	. Šafárik Univers	sity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG GST/21	ID: ÚGE/ Course name: Geography of services and tourism					
Course type, sc Course type: I Recommended Per week: 1 / 1 Course metho	ope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: c ours): od: 14 / 14				
Number of EC	I'S credits: 3					
Recommended	semester/trimes	ster of the cours	e: 5.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	its: 20				
A	В	С	D	Е	FX	
20.0	25.0	30.0	20.0	5.0	0.0	
Provides: Mgr. PhD.	Marián Kulla, Pl	nD., doc. Mgr. La	udislav Novotný,	PhD., doc. Mgr.	Michal Gallay,	
Date of last modification: 27.06.2022						
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG GCR1/21	E/ Course na	E/ Course name: Geography of the Czech Republic				
Course type, sc Course type: I Recommended Per week: 2 / 1 Course metho	ope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: c ours): od: 28 / 14				
Number of EC	FS credits: 4					
Recommended	semester/trimes	ster of the cours	e: 5.			
Course level: I.	, II.					
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ts: 16				
А	В	С	D	Е	FX	
25.0	25.0 12.5 43.75 12.5 6.25 0.0					
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD., Mgr. Imrich Sládek, PhD.						
Date of last mo	dification: 27.06	5.2022				
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J	. Šafárik Univers	sity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG GAH/21	E/ Course name: Geography of the atmosphere and hydrosphere					
Course type, so Course type: 1 Recommender Per week: 3 / Course metho	cope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: ; ours): od: 42 / 14				
Number of EC	TS credits: 6					
Recommended	semester/trimes	ster of the cours	e: 3.	_		
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course langua	ge:					
Notes:						
Course assessm Total number o	nent f assessed studen	ts: 107				
А	В	С	D	Е	FX	
8.41	21.5	33.64	30.84	5.61	0.0	
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Tomáš Fedor, Mgr. Jozef Šupinský, PhD.						
Date of last modification: 27.06.2022						
Approved: prot	f. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J	. Šafárik Univers	sity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG GPED/21	E/ Course na	Course name: Geography of the pedosphere and biosphere				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present						
Number of EC	TS credits: 6					
Recommended	semester/trimes	ster of the cours	e: 4.	_		
Course level: I.						
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessment Total number of assessed students: 75						
А	В	С	D	Е	FX	
0.0	5.33	14.67	33.33	28.0	18.67	
Provides: doc. Mgr. Michal Gallay, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Anton Uhrin, Mgr. Jozef Šupinský, PhD.						
Date of last mo	Date of last modification: 07.02.2025					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J. Šafá	rik University in Košice				
Faculty: Faculty of S	cience				
Course ID: ÚGE/ SGI2/21	Course ID: ÚGE/ Course name: Geoinformatics seminar SGI2/21				
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent				
Number of ECTS cr	edits: 3				
Recommended seme	ster/trimester of the cours	e: 6.			
Course level: I.					
Prerequisities:					
Conditions for cours	e completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	iture:				
Course language:					
Notes:					
Course assessment Total number of asses	ssed students: 13				
	abs	n			
100.0 0.0					
Provides: doc. Mgr. N	Michal Gallay, PhD., Mgr. K	atarína Onačillová, PhD.			
Date of last modifica	tion: 27.06.2022				
Approved: prof. Mgr	. Jaroslav Hofierka, PhD.				

University: P. J. Šafá	rik University in Košice				
Faculty: Faculty of S	cience				
Course ID: ÚGE/ GEX2/21	Course ID: ÚGE/ Course name: Geological excursion GEX2/21				
Course type, scope a Course type: Practic Recommended cour Per week: Per stud Course method: pre	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 3d Course method: present				
Number of ECTS cr	edits: 2				
Recommended seme	ster/trimester of the cours	e: 2.			
Course level: I.					
Prerequisities:					
Conditions for cours	e completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	ature:				
Course language:					
Notes:					
Course assessment Total number of assessed students: 94					
	abs n				
100.0 0.0					
Provides: doc. Ing. Katarína Bónová, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J.	. Šafárik Univers	sity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG GMP/21	ourse ID: ÚGE/ MP/21Course name: Geomorphological mapping					
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the me Practice d course-load (h er study period d: present	thod: iours): : 28				
Number of EC	I'S credits: 3					
Recommended	semester/trime	ster of the cours	e: 4.			
Course level: I.						
Prerequisities:						
Conditions for	course complet	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studer	nts: 12				
А	В	C	D	Е	FX	
0.0	0.0 0.0 91.67 0.0 8.33 0.0					
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Jozef Šupinský, PhD.						
Date of last mo	dification: 07.02	2.2025				
Approved: prof	. Mgr. Jaroslav I	Hofierka, PhD.				

University: P. J.	. Šafárik Univers	sity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG GEM2/18	Course ID: ÚGE/ GEM2/18Course name: Geomorphology					
Course type, sc Course type: I Recommended Per week: 2/2 Course metho	ope and the me Lecture / Practice d course-load (h 2 Per study peri d: present	thod: ours): od: 28 / 28				
Number of EC	FS credits: 6					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessment Total number of assessed students: 1374						
А	В	С	D	Е	FX	
10.48	20.74	21.25	17.25	19.51	10.77	
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Imrich Sládek, PhD., doc. Ing. Katarína Bónová, PhD.						
Date of last modification: 07.02.2025						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafa	arik University in Košice					
Faculty: Faculty of S	Science					
Course ID: ÚGE/ MZGD/21	Course name: Geospatial data collection methods					
Course type, scope a Course type: Lectu Recommended cou Per week: 2 / 2 Per Course method: pr	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 c	redits: 6					
Recommended sem	ester/trimester of the course: 2.					
Course level: I.						
Prerequisities:						

Conditions for course completion:

The evaluation is based on a combination of continuous control at the lecture, submitted protocols from field measurements at the exercises and the final exam. Lectures are realized in the form of regular teaching, where students get acquainted with theoretical-methodological and mathematical aspects of selected methods for the collection of geospatial data. Continuous assessment at the lecture with a weight of 10% is focused on the student's readiness to argue professionally and explain the principles of operation of the explained methods, as well as to formulate questions and answers. Exercises are carried out in a combined form of regular and block teaching at a mutually agreed date. The validity of block teaching is related to the implementation of field exercises, as field measurements require a longer time to deploy the measurement technique and the actual implementation of the measurement. Data processing from field measurements will be realized at the following exercise. The result of field measurements is a protocol from field measurements. Protocols from field measurements represent a weight of 40% in the final evaluation. A student who has obtained an evaluation at least at the level of grade E and submitted all required protocols from field measurements, from which he / she obtained an evaluation at least at the level of grade E, can apply for the exam. and tests (50%). The exam takes the form of a test and an oral exam that demonstrates his expertise. Credits will only be awarded to a student who achieves a grade of at least E in each part of the assessment. Assessment scale: A (100-91%), B (81-90%,) C (71-80%), D (61-70%), E (51-60%).

Learning outcomes:

Knowledge: The student will gain knowledge of the basic principles of ground geodetic measurements and digital processing of geodata in order to create topographic maps. Gains an overview of methods for measuring lengths, angles and heights in the field, determining the relative position of points on the calculation and display area and placement in coordinate systems. They will get acquainted with the possibilities of determining areas and volumes and plotting the measured data using a geographic information system.

Skills: The student will learn to obtain geospatial data using ground measurements, can locate them in different coordinate systems and represent them using GIS. Can evaluate the quality of data and determine the optimal procedure for the collection and primary processing of geospatial data.

Competences: The student is able to analyze with a high degree of independence the possibilities for the collection and processing of geospatial data and to propose a procedure for obtaining location

information about landscape objects. He will get acquainted with basic professional terminology in the field of geodesy, which will enable him to communicate and collaborate with other experts in the field of geospatial data collection and processing.

Brief outline of the course:

Lectures: Units of measure - length measures, angular measures; Coordinate systems; Angle measurement; Length measurement; Position of points; Height measurement; Map materials for field measurements; Detailed measurement methods; Field measurement documentation; Determination of areas and volumes.

Exercises: Aids for measuring vertical and horizontal direction, geodetic instruments and their description, preparation for measurement, methods for measuring horizontal and vertical angles, measurement with magnetic instruments; Direct length measurement, electronic rangefinders; trigonometric methods of determining the position of points, determining the coordinates of points by polygons; leveling devices and aids, geometric leveling, trigonometric cant measurement; selected elements and methods of positional and height delineation

Recommended literature:

HOFIERKA, J., KAŇUK, J., GALLAY, M., 2014. Geoinformatika. Univerzita Pavla Jozefa Šafárika v Košiciach, 192 s.

BITTERER, L., 2003. Geodézia. Žilinská univerzita v Žiline, Stavebná fakulta, 359 s. KOPÁČIK, A. et al. (2016). Geodézia v priemysle. Slovenská technická univerzita v Bratislave,

207 s.

Course language:

Notes:

Course assessment

Total number of assessed students: 34

А	В	С	D	Е	FX	
14.71	11.76	26.47	29.41	17.65	0.0	

Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Ján Šašak, PhD.

Date of last modification: 23.11.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG EXH/21	E/ Course n a	Course name: Human Geography Excursion			
Course type, sc Course type: F Recommended Per week: Per Course method	ope and the met Practice I course-load (h study period: (d: present	thod: ours): 6d			
Number of EC	TS credits: 3		4		
Recommended	semester/trimes	ster of the cours	e: 4.		
Course level: 1.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 55			
Α	В	С	D	E	FX
54.55	29.09	16.36	0.0	0.0	0.0
Provides: Mgr.	Marián Kulla, Pl	nD., doc. Mgr. La	dislav Novotný	, PhD.	<u>I</u>
Date of last mo	dification: 27.06	5.2022			
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J.	. Šafárik Univers	sity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG HGS1/21	E/ Course na	ame: Human Geo	ography of Slova	kia	
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of EC	TS credits: 5				
Recommended	semester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 71			
А	В	С	D	Е	FX
2.82	15.49	22.54	26.76	29.58	2.82
Provides: RND doc. Mgr. Ladis	r. Janetta Nestoro lav Novotný, Phl	ová-Dická, PhD., D., Mgr. Štefan C	univerzitná doce Jábor, Mgr. Danie	entka, Mgr. Maria ela Buchalová	án Kulla, PhD.,
Date of last mo	dification: 27.06	5.2022			
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚGE/ ZEX1/21	Course ID: ÚGE/ Course name: International Excursion 1 IEX1/21			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 10d Course method: present				
Number of ECTS cr	edits: 4			
Recommended seme	ster/trimester of the cours	e: 4.		
Course level: I.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	ature:			
Course language:	Course language:			
Notes:				
Course assessment Total number of asses	ssed students: 33			
	abs	n		
	96.97 3.03			
Provides: doc. Mgr. Ladislav Novotný, PhD.				
Date of last modifica	tion: 27.06.2022			
Approved: prof. Mgr	. Jaroslav Hofierka, PhD.			

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: Dek. PF UPJŠ/USPV/13	UPJŠ/USPV/13			
Course type, scope a	nd the method:			
Course type: Lectur	re / Practice			
Recommended coul	rse-load (hours):			
Per week: Per stud	y period: 128 / 30			
Course method. pre				
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	iture:			
Course language:				
Notes:				
Course assessment				
Total number of asses	ssed students: 2369	I		
	abs n			
	90.12 9.88			
Provides: doc. RNDr	Provides: doc. RNDr. Marián Kireš, PhD.			
Date of last modification: 30.08.2022				
Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG LOS/18	E/ Course na	Course name: Linux and open source GIS			
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the met Practice d course-load (h er study period: d: present	thod: ours): 28			
Number of EC	FS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 3.	_	
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	its: 82			
А	В	С	D	Е	FX
62.2	34.15	3.66	0.0	0.0	0.0
Provides: Mgr.	Michaela Novák	ová, PhD., prof.	Mgr. Jaroslav Ho	ofierka, PhD.	
Date of last mo	dification: 30.09	9.2021			
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.			

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

Course ID: ÚMV/	Course name: Mathematics for geographers
MTG/13	

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:

Conditions for continuous evaluation:

1. Participation in teaching in accordance with the study rules and instructions of the teacher.

2. Activity.

3. Homework and written tests.

Conditions for the final evaluation:

Final written test and oral exam.

Conditions for successful completion of the course:

1. Participation in teaching in accordance with the study regulations and according to the instructions of the teacher;

2. Credits will be awarded to a student who obtains at least 50% of the continuous assessment and at least 50% of the points in the final written test and oral examination. To obtain an A rating it is necessary to obtain at least 90% of points, to obtain a B rating at least 80%, to obtain a C rating at least 70%, to obtain a D rating at least 60%, to obtain an E rating at least 50% points.

Learning outcomes:

Students will be familiar with the basic concepts, knowledge and procedures from higher mathematics and will be able to use them when solving mathematical problems with the context from natural sciences mainly from geography. Student acquire knowledge that will enable him/ her to understand based on literature and sources mathematical modelling of some processes in geography.

Brief outline of the course:

1. Basic concepts (percentages, intervals, absolute value, power, polynomial, sum Σ)

2. Geometry in the plane (vector, line in the plane and its analytical expression)

3. Functions (properties of function, composite function, inverse function, elementary functions and their properties)

4. Differentiation, derivative of functions, derivatives of elementary functions, derivative of the sum and product of functions, derivative of a composite function, applications)

5. Integral (definite integral, applications of integration)

6. Functions of 2 variables

Recommended literature:

Fleurant, C., Bodin-Fleurant, S.: Mathematics for Earth Science and Geography. Springer. 2019 (in english)

Hughes-Hallett, D. et al.: Applied Calculus. John Wiley & Sons, Inc. 2010 (in english) Kotvalt, V.: Základy matematiky pro přírodovědné obory. Karolinum, 2008. (in czech) Štědrý, M.: Sbírka úloh k matematice pro geografy. Karolinum, 2006. (in czech)

Course languag Slovak	ge:				
Notes:					
Course assessm Total number o	nent f assessed studen	ts: 140			
А	В	С	D	Е	FX
10.0	8.57	12.14	23.57	42.86	2.86
Provides: doc.]	RNDr. Ingrid Ser	nanišinová, PhD	., RNDr. Matej S	abý, PhD.	•
Date of last mo	dification: 14.04	.2022			
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG MPG/21	E/ Course na	/ Course name: Metageography and planetary geography			
Course type, sc Course type: I Recommended Per week: 1 / 1 Course metho	ope and the met Lecture / Practice d course-load (h l Per study perio d: present	thod: ; ours): od: 14 / 14			
Number of EC	TS credits: 2				
Recommended	semester/trimes	ster of the cours	e: 1.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 171			
А	В	С	D	Е	FX
46.78	42.69	8.19	0.58	0.0	1.75
Provides: prof.	Mgr. Jaroslav Ho	ofierka, PhD., Mg	gr. Katarína Onač	čillová, PhD.	
Date of last mo	dification: 27.06	5.2022			
Approved: prof	. Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG HGV/21	E/ Course na	Course name: Methods of human geographical research				
Course type, sc Course type: H Recommended Per week: 3 Pe Course metho	ope and the met Practice I course-load (h er study period: d: present	thod: ours): 42				
Number of EC	FS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 6.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	.ts: 15				
А	В	С	D	Е	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides: Mgr. Marián Kulla, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD.						
Date of last mo	dification: 27.06	5.2022				
Approved: prof	² . Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG FGV/21	E/ Course na	Course name: Methods of physical geographical research			
Course type, sc Course type: H Recommended Per week: 3 Pe Course metho	ope and the met Practice I course-load (h er study period: d: present	thod: ours): 42			
Number of EC	FS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 25			
А	В	С	D	Е	FX
68.0	16.0	16.0	0.0	0.0	0.0
Provides: RND Mgr. Imrich Slá	r. Alena Gessert, dek, PhD.	PhD., univerzitn	á docentka, doc.	Ing. Katarína Bó	onová, PhD.,
Date of last mo	dification: 27.06	5.2022			
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J. Šafá	University: P. J. Šafárik University in Košice			
Faculty: Faculty of S	science			
Course ID: ÚGE/ MTK/21	Course name: Methods of thematic cartography			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present				
Number of ECTS cr	Number of ECTS credits: 3			
Recommended seme	Recommended semester/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: 28

А	В	С	D	Е	FX
42.86	42.86	10.71	0.0	0.0	3.57
Provides: Mgr. Jozef Šupinský, PhD., Mgr. Loránt Pregi, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG MKR/21	E/ Course name: Microgeography				
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 EC	IS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	Course assessment Total number of assessed students: 25				
Α	В	С	D	Е	FX
60.0	40.0	0.0	0.0	0.0	0.0
Provides: Mgr. Imrich Sládek, PhD., doc. Mgr. Ladislav Novotný, PhD.					
Date of last mo	dification: 05.09	9.2024			
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG NSGE/15	D: ÚGE/ Course name: Mineral Resources - geological and environmental relations				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of EC	IS credits: 4		6		
Recommended	semester/trimes	ster of the cours	e: 6.	=	
Course level: 1.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessment Total number of assessed students: 158					
А	В	С	D	Е	FX
40.51	24.68 22.15 9.49 0.63 2.53				
Provides: doc. Ing. Katarína Bónová, PhD.					
Date of last modification: 30.09.2021					
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG OCHP/21	E/ Course na	Course name: Nature protection and care for the environment			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of EC	FS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 5.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:				_	
Course assessment Total number of assessed students: 20					
А	В	С	D	Е	FX
10.0	25.0	40.0	25.0	0.0	0.0
Provides: doc. Ing. Katarína Bónová, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Imrich Sládek, PhD., Mgr. Anton Uhrin					
Date of last mo	Date of last modification: 23.09.2024				
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J. Šafá	University: P. J. Šafárik University in Košice				
Faculty: Faculty of S	Faculty: Faculty of Science				
Course ID: ÚGE/ EXF/21	Course ID: ÚGE/ Course name: Physical Geography Excursion EXF/21 Course name: Physical Geography Excursion				
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 6d Course method: present					
Number of ECTS cr	edits: 3				
Recommended seme	ster/trimester of the cours	e: 4.			
Course level: I.					
Prerequisities:					
Conditions for cours	e completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	iture:				
Course language:					
Notes:					
Course assessment Total number of assessed students: 43					
abs n					
100.0 0.0					
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Imrich Sládek, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG FGS1/21	E/ Course name: Physical Geography of Slovakia				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of EC	TS credits: 5				
Recommended	semester/trimes	ster of the cours	e: 4.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessment Total number of assessed students: 76					
А	В	С	D	Е	FX
13.16	26.32	28.95	11.84	7.89	11.84
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, doc. Ing. Katarína Bónová, PhD., Mgr. Imrich Sládek, PhD., Mgr. Jozef Šupinský, PhD.					
Date of last modification: 14.02.2023					
Approved: prot	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG POL2/21	Course name: Political geography				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present					
Number of EC	rs credits: 5				
Recommended	semester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessment Total number of assessed students: 16					
А	В	С	D	Е	FX
18.75	18.75 37.5 37.5 6.25 0.0 0.0				
Provides: RNDr. Stela Csachová, PhD., doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 27.06.2022					
Approved: prof	² . Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG GOBY/21	E/ Course na	Course name: Population Geography				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present						
Number of EC	FS credits: 5					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessment Total number of assessed students: 123						
А	В	С	D	Е	FX	
7.32	4.88 25.2 34.96 21.95 5.69					
Provides: doc. Mgr. Ladislav Novotný, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka						
Date of last modification: 19.02.2024						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG RGE2/21	ÚGE/ Course name: Regional Geography of Europe				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present					
Number of EC	TS credits: 5				
Recommended	semester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	ion:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:				-	
Course assessm Total number of	nent f assessed studen	ıts: 43			
А	В	С	D	Е	FX
6.98	18.6	32.56	37.21	0.0	4.65
Provides: RNDr. Stela Csachová, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka, doc. Mgr. Ladislav Novotný, PhD., Mgr. Marián Kulla, PhD., Mgr. Imrich Sládek, PhD.					
Date of last mo	dification: 07.02	2.2025			
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG ADPZ/22	E/ Course na	/ Course name: Remote sensing applications			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present					
Number of EC	I'S credits: 3				
Recommended	semester/trimes	ster of the cours	e: 5.		
Course level: I.	, II				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessment Total number of assessed students: 16					
А	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Katarína Onačillová, PhD., Mgr. Ján Šašak, PhD.					
Date of last modification: 20.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J. Šafá	rik University in Košice					
Faculty: Faculty of S	Faculty: Faculty of Science					
Course ID: ÚTVŠ/ CM/13	Course name: Seaside Aerobic Exercise					
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent					
Number of ECTS cr	edits: 2					
Recommended seme	ster/trimester of the course:					
Course level: I., II.						
Prerequisities:						
Conditions for cours Completion: passed Condition for success - active participation - effective performan	e completion: sful course completion: in line with the study rule of procedure and course guidelines ce of all tasks- aerobics, water exercise, yoga, Pilates and others					
Learning outcomes: Content standard: The student demonstr course syllabus and r Performance standard Upon completion of t - perform basic aerob - conduct verbal and - organise and manag	rates relevant knowledge and skills in the field, which content is defined in the ecommended literature. 1: 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 I. Basic aerobics – lo 2. Basics of aqua fitm 3. Basics of Pilates 4. Health exercises 5. Bodyweight exerci 6. Swimming 7. Relaxing yoga exe 8. Power yoga 9. Yoga relaxation 10. Final assessment Students can engage volleyball, football, ta	ourse: ow impact aerobics, high impact aerobics, basic steps and cuing ess ses rcises in different sport activities offered by the sea resort – swimming, rafting, able tennis, tennis and other water sports in particular.					
1. BUZKOVÁ, K. 20	i ture: 106. Fitness jóga. Praha: Grada. 167 s.					

 ČECHOVSKÁ, 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: 62			
abs	n		
9.68 90.32			
Provides: Mgr. Agata Dorota Horbacz, PhD.			
Date of last modification: 29.03.2022			
Approved: prof. Mgr. Jaroslav Hofierka, PhD.			

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚGE/ SHG/21	Course name: Seminar of human geography		
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: 3			
Recommended semester/trimester of the course: 6.			
Course level: I.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 10			
	abs	n	
	90.0	10.0	
Provides: Mgr. Marián Kulla, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD.			
Date of last modification: 27.06.2022			
Approved: prof. Mgr	Approved: prof. Mgr. Jaroslav Hofierka, PhD.		
University, D. I. Čefé	rik University in Večice		
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University: P. J. Sala	rik University in Kosice		
Faculty: Faculty of S	cience		
Course ID: ÚGE/ SFG/21	Course name: Seminar of	physical geography	
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent		
Decommonded come	star/trimester of the source		
Recommended seme	ster/trimester of the cours		
Course level: 1.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	nture:		
Course language:			
Notes:			
Course assessment Total number of asse	ssed students: 0		
	abs	n	
	0.0	0.0	
Provides: doc. Ing. K Mgr. Imrich Sládek, F	atarína Bónová, PhD., RND PhD., Mgr. Jozef Šupinský, I	r. Alena Gessert, PhD., univerzitná docentka, PhD.	
Date of last modifica	tion: 27.06.2022		
Approved: prof. Mgr	: Jaroslav Hofierka, PhD.		

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ SGE/08	Course name: Social geography
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	and the method: ce rse-load (hours): ady period: 28 esent
Number of ECTS cr	edits: 3
Recommended seme	ster/trimester of the course: 5.
Course level: I., II.	
Prerequisities:	
Conditions for cours Participation in exer semester) and a group to students, who will actively participate in	Se completion: cises, presentation of seminar topics (1 or 2 topics for student during the p discussion, successful graduation the final test. Credits will not be awarded not have successfully processed and presented the given topic and will not be n discussions and does not pass the final test min. to 60%.
Learning outcomes: Students know how t origin, spatial distribution	to verbally express and critical thinking to social issues, social inequality - its ution.
Brief outline of the c Social geography is a solve social problem factors, racism, ethni- inequality and place.	a scientific discipline that examines the company geographically. We will be s which related to geography - Urban social geography and urban lifestyle city, major and minor company, congregation and segregation in cities, social
Recommended litera DŽAMBAZOVIČ, R Komenského, 232 s. GAJDOŠ, P. 2002: M Sociológia, 34, 4, 303 KOLLÁR, D. 1992: 4 človeka. Geografický MATLOVIČ, R. 1999 štruktúr a jej slovensk ROCHOVSKÁ, A., I Slovenska. <http: geografia.scie<br="">Rochovska_Hornak.p SIROVÁTKA, T., ed skupin. Brno, Masary S.</http:>	 A. 2007: Chudoba a jej dimenzie na Slovensku. Bratislava, Univerzita A. 2007: Chudoba a jej dimenzie na Slovensku. Bratislava, Univerzita A. 4. 2007: Chudoba a jej dimenzie na Slovensku. Bratislava, Univerzita A. 5. 4. 2007: Chudoba a problematika výskumu priestorového súvislostiach. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5

Course language: Slovak, English								
Notes:								
Course assessm Total number o	Course assessment Total number of assessed students: 166							
А	В	С	D	Е	FX			
40.96	21.08	12.65	12.05	12.05	1.2			
Provides: RND	Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka							
Date of last modification: 30.09.2021								
Approved: pro	f. Mgr. Jaroslav H	Iofierka, PhD.						

University: P. J. Šafár	ik University in Košice
Faculty: Faculty of Sc	vience
Course ID: ÚTVŠ/ TVa/11	Course name: Sports Activities I.
Course type, scope an Course type: Practic Recommended cour Per week: 2 Per stud Course method: pres	nd the method: e se-load (hours): dy period: 28 sent
Number of ECTS cre	edits: 2
Recommended semes	ster/trimester of the course: 1.
Course level: I., II.	
Prerequisities:	
Conditions for course Min. 80% of active pa	e completion: articipation in classes.
Learning outcomes: Sports activities in all t They have a great imp enables students to st improve.	their forms prepare university students for their professional and personal life. pact on physical fitness and performance. Specialization in sports activities trengthen their relationship towards the selected sport in which they also
Brief outline of the co Brief outline of the co The Institute of physic activities aerobics; aik yoga, power yoga, pi tennis, chess, volleyba Additionally, the Insti offers winter courses the Tisza River) with a participation.	Durse: Durse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball, lates, swimming, fitness, indoor football, SM system, step aerobics, table all, tabata, cycling. itute of physical education and sport at the Pavol Jozef Šafárik University (ski course, survival) and summer courses (aerobics by the sea, rafting on an attractive programme, sports competitions with national and international
Recommended literat BENCE, M. et al. 200 [online] Dostupné na: BUZKOVÁ, K. 2006. 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 9788024 KAČÁNI, L. 2002. Fu 8089197027. KRESTA, J. 2009. Fu LAWRENCE, G. 201 SNER, Wolfgang. 200	 ture: 95. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN RKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 4757308. utbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN tsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. 9. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. 04. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141.

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: 15781

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
85.74	0.06	0.0	0.0	0.0	0.04	9.0	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., univerzitná docentka, doc. PaedDr. Ivan Uher, MPH, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Zuzana Küchelová, PhD., Mgr. Ferdinand Salonna, PhD.

Date of last modification: 07.02.2024

University: P. J. Šafán	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVb/11	Course name: Sports Activities II.
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ee rse-load (hours): dy period: 28 sent
Number of ECTS cro	edits: 2
Recommended seme	ster/trimester of the course: 2.
Course level: I., II.	
Prerequisities:	
Conditions for cours active participation in	e completion: a classes - min. 80%.
Learning outcomes: Sports activities in all They have a great im enables students to s improve.	their forms prepare university students for their professional and personal life. pact on physical fitness and performance. Specialization in sports activities trengthen their relationship towards the selected sport in which they also
Brief outline of the constraints of the Institute of physical activities aerobics; ail yoga, power yog	burse: burse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball, ilates, swimming, fitness, indoor football, SM system, step aerobics, table all, tabata, cycling. itute of physical education and sport at the Pavol Jozef Šafárik University (ski course, survival) and summer courses (aerobics by the sea, rafting on an attractive programme, sports competitions with national and international
Recommended litera BENCE, M. et al. 200 [online] Dostupné na: BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 9788024 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. Fu LAWRENCE, G. 201 SNER, Wolfgang. 200	 ture: D5. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN RKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 4757308. utbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN utsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. D4. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141.

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: 13799

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
83.85	0.49	0.01	0.0	0.0	0.04	11.17	4.43

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., univerzitná docentka, doc. PaedDr. Ivan Uher, MPH, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Zuzana Küchelová, PhD., Mgr. Ferdinand Salonna, 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: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent
Number of ECTS cro	edits: 2
Recommended seme	ster/trimester of the course: 3.
Course level: I., II.	
Prerequisities:	
Conditions for cours min. 80% of active pa	e completion: articipation in classes
Learning outcomes: Sports activities in all They have a great im enables students to s improve.	their forms prepare university students for their professional and personal life. spact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also
Brief outline of the c Brief outline of the co The Institute of physic activities aerobics; ai yoga, power yoga, p tennis, chess, volleyb Additionally, the Inst offers winter courses the Tisza River) with participation.	ourse: burse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball, ilates, swimming, fitness, indoor football, SM system, step aerobics, table all, tabata, cycling. titute of physical education and sport at the Pavol Jozef Šafárik University (ski course, survival) and summer courses (aerobics by the sea, rafting on an attractive programme, sports competitions with national and international
Recommended litera BENCE, M. et al. 200 [online] Dostupné na BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 978802 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. Fu LAWRENCE, G. 201 SNER, Wolfgang. 20	 Attre: D5. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 4757308. utbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN ntsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141.

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: 9334

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
87.96	0.06	0.01	0.0	0.0	0.02	4.92	7.03

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., univerzitná docentka, doc. PaedDr. Ivan Uher, MPH, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Zuzana Küchelová, PhD., Mgr. Ferdinand Salonna, 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 cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course: 4.
Course level: I., II.	
Prerequisities:	
Conditions for cours min. 80% of active pa	e completion: articipation in classes
Learning outcomes: Sports activities in all They have a great im enables students to s improve.	their forms prepare university students for their professional and personal life. spact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also
Brief outline of the c Brief outline of the co The Institute of physic activities aerobics; ai yoga, power yoga, p tennis, chess, volleyb Additionally, the Inst offers winter courses the Tisza River) with participation.	ourse: ourse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball, ilates, swimming, fitness, indoor football, SM system, step aerobics, table all, tabata, cycling. titute of physical education and sport at the Pavol Jozef Šafárik University (ski course, survival) and summer courses (aerobics by the sea, rafting on an attractive programme, sports competitions with national and international
Recommended litera BENCE, M. et al. 200 [online] Dostupné na BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 978802 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. Fu LAWRENCE, G. 201 SNER, Wolfgang. 20	 ture: D5. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 4757308. utbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN ntsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. 9. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. 04. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141.

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: 5845

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
82.53	0.27	0.03	0.0	0.0	0.0	8.25	8.91

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., univerzitná docentka, doc. PaedDr. Ivan Uher, MPH, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Zuzana Küchelová, PhD., Mgr. Ferdinand Salonna, PhD.

Date of last modification: 07.02.2024

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG STMG/21	E/ Course na	ame: Statistical N	Aethods in Geogr	raphy		
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present						
Number of EC	TS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: I.						
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessn Total number o	nent f assessed studen	ts: 118				
A	В	С	D	Е	FX	
27.97	27.97 20.34 16.95 15.25 19.49 0.0					
Provides: prof. Mgr. Jaroslav Hofierka, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka						
Date of last modification: 12.02.2023						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafá	University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science			
Course ID: ÚGE/ SVGG/15	Course name: Student Sci Geoinformatics	entific Conference in Geography and	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present			
Number of ECTS credits: 4			
Recommended semester/trimester of the course:			
Course level: I., II.			
Prerequisities:			
Conditions for course completion:			
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 18			
	abs	n	
	100.0	0.0	
Provides: doc. Mgr. Michal Gallay, PhD.			
Date of last modification: 01.12.2021			
Approved: prof. Mgr	Approved: prof. Mgr. Jaroslav Hofierka, PhD.		

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚTVŠ/ LKSp/13	Course name: Summer Course-Rafting of TISA River		
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: e se-load (hours): dy period: 28 esent		
Number of ECTS credits: 2			
Recommended semester/trimester of the course:			
Course level: I., II.			
Prerequisities:			
Conditions for course completion: Completion: passed Condition for successful course completion: - active participation in line with the study rule of procedure and course guidelines - effective performance of all tasks: carrying a canoe, entering and exiting a canoe, righting a canoe, paddling			
Learning outcomes: Content standard: The student demonstr course syllabus and re Performance standard Upon completion of t - implement the acqu - implement basic ski - determine the right - prepare a suitable m	ates relevant knowledge and skills in the field, which content is defined in the ecommended literature. I: he course students are able to meet the performance standard and: ired knowledge in different situations and practice, Ils to manipulate a canoe on a waterway, spot for camping, aterial and equipment for camping.		
 Brief outline of the c Brief outline of the co 1. Assessment of diff 2. Safety rules for raff 3. Setting up a crew 4. Practical skills trained 5. Canoe lifting and co 6. Putting the canoe in 7. Getting in the canoe 8. Exiting the canoe on 10. Steering a) The pry stroke (on b) The draw stroke 	burse: burse: iculty of waterways ting hing using an empty canoe arrying n the water without a shore contact e ut of the water fast waterways)		

11. Capsizing				
12. Commands				
Recommended literature:				
1. JUNGER, J. et al. Turistika a športy v prírode. Prešov: FHPV PU v Prešove. 2002. ISBN				
8080680973. Internatová zdroja:				
1 STEISKAL T Vodná turistika Prešov PI	v Prešove 1999			
Dostupné na: https://ulozto.sk/tamhle/UkyxQ	02IYF8qh/name/Nahrane-7-5-2021-v-14-46-39#!			
ZGDjBGR2AQtkAzVkAzLkLJWuLwWxZ2	ukBRLjnGqSomICMmOyZN==			
Course language:				
Slovak language				
Notes:				
Course assessment				
Total number of assessed students: 232				
abs	n			
36.64	63.36			
Provides: Mgr. Dávid Kaško, PhD.				
Date of last modification: 29.03.2022				
Approved: prof. Mgr. Jaroslav Hofierka, PhI).			

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Hattan D. I. Ča Kaila Hainanita in Kažian				
Faculty: Faculty of Science				
Course ID: UTVS/ KP/12	Course name: Survival Course			
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent			
Number of ECTS credits: 2				
Recommended semester/trimester of the course:				
Course level: I., II.				
Prerequisities:				
Conditions for cours Completion: passed Condition for success - active participation - effective performan Learning outcomes: Content standard: The student demonstr course syllabus and r Performance standard Upon completion of t - acquire knowledge - obtain theoretical kn connected with survir - be able to resist a environment, - be able implement children and youth w	e completion: in line with the study rule of procedure and course guidelines, ce of all the tasks defined in the course syllabus rates relevant knowledge and skills in the field, which content is defined in the ecommended literature. d: the course students are able to meet the performance standard and should: about safe stay and movement in natural environment, nowledge and practical skills to solve extraordinary and demanding situations val and minimization of damage to health, nd face situations related to overcoming barriers and obstacles in natural the acquired knowledge as an instructor during summer sport camps for ithin recreational sport.			
 Brief outline of the c Brief outline of the co Principles of condu Preparation and gu Objective and subj Principles of hygie Fire building Movement in the u Shelters Food preparation at Rappelling, Tyrolia Transport of an ir 	ourse: ourse: uct and safety in the movement in unfamiliar natural environment idance of a hike tour ective danger in the mountains ene and prevention of damage to health in extreme conditions unfamiliar terrain, orientation and navigation and water filtering an traverse njured person, first aid			

Recommended literature:

1. JUNGER, J. et al. Turistika a športy v prírode. Prešov: Fakulta humanitných a prírodných vied PU v Prešove. 2002. 267s. ISBN 80-8068-097-3.

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53.8

PAVLÍČEK, J. Člověk v drsné přírodě. 3. vyd. Praha: Práh. 2002. ISBN 8072520598.
 WISEMAN, J. SAS: příručka jak přežít. Praha: Svojtka & Co. 2004. 566s. ISBN 8072372807.

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 461

abs

46.2

Provides: Mgr. Ladislav Kručanica, PhD.

Date of last modification: 16.05.2023