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University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of S	Faculty: Faculty of Science						
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 language: English language, level B2 according to CEFR.							
Notes:	Notes:						
Course assessment Total number of assessed students: 416							
А	В	С	D	Е	FX		
36.54	21.63	15.14	9.38	6.01	11.3		
Provides: Mgr.	Provides: Mgr. Viktória Mária Slovenská						
Date of last modification: 20.09.2023							
Approved: pro:	f. Mgr. Jaroslav H	Iofierka, PhD.					

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚGE/ SPB1/21Course name: Bachelor Thesis Project Seminar 1						
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: 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: 34				
А	В	С	D	Е	FX	
85.29 8.82 5.88 0.0 0.0 0.0						
Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. Mgr. Ladislav Novotný, PhD.						
Date of last mo	dification: 27.06	5.2022				
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J	. Šafárik Univers	sity in Košice					
Faculty: Facult	y of Science						
Course ID: ÚGE/ SPB2/21Course name: Bachelor Thesis Project Seminar 2							
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	omes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number o	ent f assessed studen	its: 21					
A	В	С	D	Е	FX		
71.43	23.81	4.76	0.0	0.0	0.0		
Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. Mgr. Ladislav Novotný, PhD., Mgr. Katarína Onačillová, PhD.							
Date of last modification: 27.06.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

II							
University: P. J	. Safarik Univers	ity in Kosice					
Faculty: Facult	Faculty: Faculty 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 d course-load (h r study period: d: present	thod: ours):					
Number of EC	TS credits: 4						
Recommended	semester/trimes	ster of the course	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 assessm Total number of	nent f assessed studen	ts: 185					
А	В	С	D	Е	FX		
37.3	37.3 28.65 16.76 8.65 8.11 0.54						
Provides:	Provides:						
Date of last mo	dification: 07.12	2.2021					
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD.					

University: P. J	University: P. J. Šafárik University in Košice					
Faculty: Facult	Faculty: Faculty of Science					
Course ID: ÚGE/ KAR/05Course name: Basics of Karstology and Speleology						
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: 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 o	nent f assessed studen	its: 226				
А	В	С	D	Е	FX	
77.88 15.04 5.31 0.0 1.77 0.0						
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka						
Date of last mo	dification: 27.08	3.2020				
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	University: P. J. Šafárik University in Košice					
Faculty: Facult	y of Science					
Course ID: ÚG ZKAR/21	Course ID: ÚGE/ ZKAR/21Course name: Basics of Karstology and Speleology					
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	FS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 4.			
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: 11				
А	В	С	D	Е	FX	
45.45 18.18 18.18 18.18 0.0 0.0						
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, doc. Ing. Katarína Bónová, PhD.						
Date of last mo	dification: 20.02	2.2023				
Approved: prof	² . Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J.	University: P. J. Šafárik University in Košice						
Faculty: Faculty	Faculty: Faculty of Science						
Course ID: ÚG ZPRO/21	Course ID: ÚGE/ ZPRO/21Course name: Basics of programming (Python)						
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 3 Per study period: 14 / 42 Course method: present							
Number of EC	IS credits: 4	4 641	2				
Recommended	semester/trimes	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	ent f assessed studen	its: 23					
А	В	С	D	Е	FX		
47.83	47.83 34.78 13.04 4.35 0.0 0.0						
Provides: Mgr. Jozef Bogl'arský, prof. Mgr. Jaroslav Hofierka, PhD.							
Date of last mo	dification: 30.09	9.2021					
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.					

University P I	University: P. I. Šafárik University in Košice						
Faculty: Facult	y of Science						
Course ID: ÚG	E/ Course na	ame: Basics of re	emote sensing of	the Earth			
ZDPZ/21							
Course type, sc	ope and the me	thod:					
Course type: I	Lecture / Practice	,					
Recommended	d course-load (h	ours):					
Per week: 2/2	2 Per study peri	od: 28 / 28					
Course metho	d: 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 assessm	nent						
Total number of	Total number of assessed students: 19						
A	В	С	D	Е	FX		
31.58	31.58 15.79 31.58 21.05 0.0 0.0						
Provides: doc. Mgr. Michal Gallay, PhD.							
Date of last mo	dification: 18.04	1.2021					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚGE/ ZGRS/18	Course ID: ÚGE/Course name: Basis of regional geography of the worldZGRS/18			
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 1 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 28 / 14 esent			

Number of ECTS credits: 5

Recommended semester/trimester of the course: 1.

Course level: I.

Prerequisities:

Conditions for course completion:

Exam. Only students who reached weighted average of continuous grading at least 50% may sign up for the final exam.

Continuous grading consists of written tests (40% of continuous grading), the presentation of assigned topic (50%), and active participation in discussions during seminars (10%).

The final exam has the character of a written examination. In case of transition to distance learning due to the worsened epidemic situation, the final exam will consist of an online test (50% of the evaluation) and an online oral face-to-face examination (50%), with the condition of obtaining at least 50% of both parts of final exam.

At the final grading, the weight of exam is 60% and the weight of continuous grading is 40%). To obtain A grade, weighted average of the both parts of grading must reach at least 90%, To obtain B it is 80%, for C it is 70%, for D 60% and for E 50%. Credits shall not be granted to a student who obtains less than 50 % from any of both parts of examination.

Learning outcomes:

Students undrstand the basic patterns of distribution of geographic phenomena in the global space, know the basic characteristics of individual world major regions and are able to interpret their impact on currentd environmental, social, political, economic and security development in the context of vertical and horizontal interactions between geographic phenomena.

Brief outline of the course:

Basic geographic definition of the world major regions; Tectonic movements, geological evolution, minerals and formation of the current orography of continents, main geomorphologic units; Geographic conditions of climate and hydrosphere (the influence of individual factors in shaping climatic conditions, basic climatic zones, river system, drainage areas, drainless areas, lakes); Pedo-geographic adn bio-geographic conditions (soil types and their geographical distribution, phytogeographical regions, vegetation zones, zoogeographical regions, nature protection,); Historical and political development (the oldest civilizations and ancient migration, ancient and medieval empires, European colonization, the collapse of colonial system, current political situation, integration groups); Population and settlements (population growth, racial and ethnic structure of population, linguistic groups, natural growth and migration, settlements and urbanization); Economy (economy growth, general nature of economy, types of countries according

to the nature of economy, current statistic indicators, individual sectors of economy, foreign trade); Detailed characterization of selected regions and synthesis of knowledge about the regions.

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 Complexity. 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 edi-tion. 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 and English

Notes:

Course assessment

Total number of assessed students: 61

А	В	С	D	Е	FX
8.2	29.51	26.23	19.67	11.48	4.92

Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD.

Date of last modification: 20.09.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚG BIG/07	E/ Course na	me: Biogeograp	bhy		
Course type, sc Course type: L Recommended Per week: 2 / 1 Course method	ope and the met Lecture / Practice l course-load (h Per study perio d: present	thod: ours): od: 28 / 14			
Number of ECT	TS credits: 5				
Recommended	semester/trimes	ster of the cours	se: 4.		
Course level: I.					
Prerequisities:					
Conditions for o	course completi	on:			
Learning outco	mes:				
Evolution and b units used for cli- biosphere, its or Environmental Floristic regions Rare birds in Biogeography S	assification of the rigin and historic factors and environ s of the country: the area: Arkt slovakia, spatial of	tory, its position e organic world. al development. ironmental cond : Holoarktic, Pal ogea, Paleogen differentiation of	In the system of The course provi litions. Extension leotropic, Neotro e, Notogea, Ne f cultivated plants	des guidance on t n of organisms o ppics, Autralian C cogene. Main ge s. I	on Earth, areas. Cape, Antarctic. eobiómy earth.
Recommended BUCHAR, J. 19 FUTÁK, J. 1960 Vydavateľstvo S HENDRYCH, F Geobotanická m MÁJOVSKÝ, J S.349 PLESNÍK, P. 20 LOMOLINO, M	literature: 083: Zoogeografic 6: Fytogeografic SAV, Bratislava. R. 1983: Fytogeo napa Slovenska 1 ., KREJČA, J.19 004: Všeobecná 1 1.,BRETT, R., B	ie. Státní pedago ké členenie Slov 535 – 538. grafie. Státní pe 200 000. 68: Klúč na určo piogeografia. UK ROWN, J., 2005	gické nakladatels enska. – In: Futá dagogické naklac ovanie najčastejš S, Bratislava, 425 S: Biogeography.	ství Praha. 199 s. k J. (ed.), Flóra S latelství Praha, 22 ie sa vyskytujúcio 5 s. USA, 877 s.	Slovenska I, 20 s ch rastlín.
Course languag	ge:				
Notes:					
Total number of	ent fassessed studen	ts: 286			
А	В	С	D	E	FX
2.8	11.54	13.29	27.62	36.01	8.74
Provides: RND	r. Dušan Barabas	, CSc., Mgr. Imr	ich Sládek, PhD.		

Date of last modification: 19.08.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J. Šafa	ărik University in Košice			
Faculty: Faculty of S	Science			
Course ID: ÚGE/ KAG/15	Course name: Cartography and Geoinformatics			
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): r study period: 28 / 28 resent			
Number of ECTS cr	redits: 5			
Recommended sem	ester/trimester of the course: 1.			
Course level: I.				
Prerequisities:				

Conditions for course completion:

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

Learning outcomes:

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

Brief outline of the course:

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

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

Recommended literature:

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

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

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

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

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

Course language:

Slovak

Notes:

withot notes

Course assessment

Total number of assessed students: 425

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

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

Date of last modification: 28.09.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J. Šafa	árik University in Košice			
Faculty: Faculty of S	Science			
Course ID: ÚGE/ KRT1/21	Course name: Cartography and Geoinformatics 1			
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: 130

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

Provides: doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 19.09.2023

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG KRT2/21	E/ Course name: Cartography and Geoinformatics 2				
Course type, sc Course type: H Recommended Per week: 2 Pe Course metho	ope and the me 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	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ıts: 62			
А	В	С	D	Е	FX
59.68	59.68 22.58 9.68 4.84 0.0 3.23				
Provides: Mgr.	Ján Šašak, PhD.,	doc. RNDr. Ján	Kaňuk, PhD., M	gr. Daniela Buch	alová
Date of last 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: CJF PFAJKKA/07	Course na	Course name: Communicative Competence in English				
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	cope and the met Practice d course-load (h er study period: d: present	thod: ours): 28				
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 lee Learning outco Brief outline of Recommended www.bbclearnin Štěpánek, Libon 2011. McCarthy M., O Fictumova J., O	course completi ation in class and he most. resumably in we he consists of the size calculated as be calculated as ess. omes: The course: literature: ngenglish.com r a kol. Academic O'Dell F.: English Seccarelli J., Long	ion: I completed hom eks 6/7 and 12/13 scores obtained f follows: A 93-10 c English-Akaden n Vocabulary in U g T.: Angličtina,	ework assignmer 3) and an oral pre for the 2 tests (50% 0 %, B 86-92%, C mická angličtina. Jse, Upper-Interr konverzace pro p	nts. Students are esentation in Eng %) and the presen C 79-85%, D 72-7 Praha: Grada Pu nediate. CUP, 19 pokročilé. Barrist	allowed to miss lish. ntation (50%). 78%, E 65-71%, ublishing, a.s., 94. er and	
Principal, 2008 Peters S Gráf	T · Time to practi	ise Polyglat 200)7			
Jones L.: Comm Additional stud	nunicative Gram y materials.	mar Practice. CU	IP, 1985.			
Course languag English languag	ge: ge, B2-C1 level a	according to CEF	R			
Notes:						
Course assessm Total number of	nent f assessed studen	its: 299				
А	В	С	D	Е	FX	
45.48	20.74	17.39	7.69	6.02	2.68	
Provides: Mgr.	Ivana Kupková,	PhD.				

Date of last modification: 11.02.2024

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J. Šafái	rik University in Košice
Faculty: Faculty of S	cience
Course ID: CJP/ PFAJGA/07	Course name: Communicative Grammar in 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 cro	edits: 2
Recommended seme	ster/trimester of the course:
Course level: I.	
Prerequisities:	
Conditions for cours Active classroom part by given deadlines. Powerpoint presentat Final Test - end of ser Final assessment = av Grading scale: A 93-	e completion: icipation (maximum 2 absences tolerated), homework assignments completed ion of a topic related to the study field. mester, no retake verage of test and presentation. 100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less
Learning outcomes: The development of s of their communica phonological, lexical efectively use the lan level B2.	students' language skills - reading, writing, listening, speaking, improvement ative linguistic competence. Students acquire knowledge of selected and syntactic aspects, development of pragmatic competence. Students can guage for a given purpose, with focus on Academic English and English on
Brief outline of the c Selected aspects of E Word formation Contrast of tenses in T The passive voice Types of Conditionals Phrasal verbs and En Words order and colle	ourse: nglish grammar and pronunciation English s glish idioms ocations, prepositional phrases
Recommended litera Vince M.: Macmillan McCarthy, O'Dell: Er www.linguahouse.con esllibrary.com bbclearningenglish.co ted.com/talks Course language:	ture: Grammar in Context, Macmillan, 2008 nglish Vocabulary in Use, CUP, 1994 m

English languag	ge, level B2 acco	rding to CEFR.				
Notes:						
Course assessn Total number o	nent f assessed studen	ts: 446				
А	В	С	D	Е	FX	
41.48	41.48 19.51 15.7 7.85 5.61 9.87					
Provides: Mgr.	Lenka Klimčáko	vá				
Date of last mo	dification: 20.09	0.2023				
Approved: prot	f. Mgr. Jaroslav H	Iofierka, PhD.				

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

Recommended semester/trimester of the course:

Course level: I.

Prerequisities:

Conditions for course completion:

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

Learning outcomes:

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

Brief outline of the course:

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

Recommended literature:

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

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

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

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

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

Course language: German, Slovak language							
Notes:	Notes:						
Course assessment Total number of assessed students: 57							
А	В	С	D	Е	FX		
61.4	10.53	8.77	3.51	8.77	7.02		
Provides: Mgr. Ulrika Strömplová, PhD.							
Date of last modification: 12.07.2022							
Approved: prof. Mgr. Jaroslav Hofierka, 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: ÚGE/ 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: Contitions 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 consist of written 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 vertical and horizontal interactions between geographical phenomena. Students have improved	University: P. J. Šafá	rik University in Košice
Course ID: ÚGE/ KAS/21 Course name: Country and society 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: 1. 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. 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 an interpret the impact of the characteristics of ind	Faculty: Faculty of S	cience
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: Contitions 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%), claboration and presentation of cssay 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 famil	Course ID: ÚGE/ KAS/21	Course name: Country and society
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%. Another 50% are results of 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 between geographical phenomena. Students have improved skills in working with the atlas and various formas. Competences: Students are completent to compose a professional opinion, an essay on basic regional-geographical topics. In them,	Course type, scope a Course type: Lectur Recommended cour Per week: 1 / 1 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 14 / 14 esent
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 are inspret the impact of the characteristics of individual macroregions on current environmental, social, political, economic and security developments in the context of vertica	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 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 are familiar with thematic databa	Recommended seme	ster/trimester of the course: 1.
 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 between geographical phenomena. Students have improved skills in working with the atlas and various forms of maps. Competences: Students are competent to compose a professional opinion, an essay on basic regional-geographic topics. In them, they can formulate expert opinion	Course level: I.	
 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 between geographical phenomena. Students have improved skills in working with the atlas and various forms of maps. Competences: Students are competent to compose a professional opinion, an essay on basic regional-geographic topics. In them, they can formulate expert opinions on geographical phenomena based on relevant studies, documents	Prerequisities:	
 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 between geographical phenomena. Students have improved skills in working with the atlas and various forms of maps. Competences: Students are competent to compose a professional opinion, an essay on basic regional-geographic topics. In them, they can formulate expert opinions on geographical phenomena based on relevant studies, documents and data. They are able to present these opinions in a comprehensible way and to argue about them objectively in the discussion. In this way, the student builds presentation competences, the basics of the competence to moderate a professional discussion. Brief outline of the course: 	Conditions for cours The course is complet knowledge and pract continuous grading d (final and continuous Continuous grading c topic (60%), and ac participation with ma To obtain the final gra and final exam of 90 60% and for the E gra	ted with a written final exam aimed to the verification of acquired theoretical ical skills. Its weight in the final grading is 50%. Another 50% are results of uring the semester. To get a grading, at least 50% must be gained in both parts) of evaluation. onsist of writen tests (30%), elaboration and presentation of essay on assigned tive discussions on topics announced in advance by the lecturer. Active ix. two absences is a condition to get a grading. ade A, it is necessary to obtain a weighted average of the continuous evaluation % or more, for the B grade it is 80%, for the C grade 70%, for the D grade ade 50%.
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. aproximatelly are boundaries, cores and areas where features of several p. The student understands the basic regularities and causations of the uphical 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 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 of assessed students: 32						
ABCDEFX						
15.63	31.25	34.38	12.5	3.13	3.13	
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.	University: P. J. Šafárik University in Košice						
Faculty: Faculty	y of Science						
Course ID: ÚG KULG/21	Course ID: ÚGE/ Course name: Cultural Geography KULG/21						
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: c ours): od: 28 / 14					
Number of EC	I'S credits: 4						
Recommended	semester/trimes	ster of the cours	e: 5.				
Course level: 1.							
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: 30							
A B C D E FX							
63.33 13.33 20.0 3.33 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. Mgr. Jaroslav Hofierka, PhD.							

University: P. J. Safá	rik University in Kosice
Faculty: Faculty of S	cience
Course ID: ÚGE/ KUL/12	Course name: Cultural geography
Course type, scope a Course type: Lectur Recommended cou Per week: 2 / 1 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 28 / 14 esent
Number of ECTS cr	edits: 4
Recommended seme	ster/trimester of the course: 3.
Course level: I.	
Prerequisities:	
Conditions for cours	e completion:
Learning outcomes:	
Brief outline of the c	ourse:
Recommended litera ANDĚL. J. 1998: Ku ANDERSON, K. et a BARŠA, P. 1999: Po BERGMAN, E. F. 19 Hall, Engewood Cliff BONNEMAISON, J DIAMOND, J. 1997: York. DIAMOND, J. 2019: DOSTÁL, P. 1999: E UC, Geographica, XI HEŘMANOVÁ, E., Praha: ASPI, a. s., 29 KRUPA, V., GENZCO MACDONALD, F., J nakladatelství, s. r. o. MURRAY, W, E. 200 Geography. Routledg ROGERS, A. 1994: J Course language: Slovak Notes:	 hture: ltúrní geografie. UJEP Ústí nad Labem, 146 s. l. 2003: Handbook of cultural geography. 601 p. litická teorie multikulturalismu, CDK. 95: Human Geography. Cultures, Connections and Landscapes. Prentice fs. 2005: Culture and Space. I. B. Tauris. Guns, germs and steel: the fates of human societies. Norton & co., New Otrasy – Ako národy riešia svoje krízy. Premedia, 408 s. thnicity, mobilization and territory: an overview of recent experien-ces. Acta XXIV, 1, s. 45-58. CHROMÝ, P. a kol. 2009: Kulturní regiony a geografie kultury. 1. vyd. 2-301. R, J. 1996: Jazyky sveta v priestore a čase. Veda, SAV Bratislava, 356 s. MASON, A. 2009: Kultúra ľudstva. Ottova encyklopédia. Ottovo Praha, 256 s. 66: Geographies of Globalization. Routledge Contemporary Human e Taylor & Francis Group London and New York, 32 s. Lidé a kultúry. Nakladatelský dům Praha, 256 s.

Course assessment Total number of assessed students: 577							
A B C D E FX							
54.07	32.58	10.05	2.95	0.35	0.0		
Provides: Mgr. Marián Kulla, PhD., Mgr. Štefan Kolečanský, prof. Mgr. Jaroslav Hofierka, PhD.							
Date of last modification: 09.10.2020							
Approved: prof. Mgr. Jaroslav Hofierka, 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 ove 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 li- knowledge of using O Competences: The stu of geography. The res- of ICT literacy. The s	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 useful university for studen operating systems, da SR, Soil portal, ŠGÚ the essence of vector databases (formulas, Using MS PowerPoir	ourse: Information regarding the study, standards and services provided by the its (WiFi, information retrieval, websites, citation manager - CitacePro) ita 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. it to create presentations and posters.
Recommended litera KAŇUK, J., 2015. Pr Prírodovedecká fakul	ture: iestorové 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:	Notes:						
Course assessment Total number of assessed students: 132							
А	В	С	D	Е	FX		
52.27	25.76	13.64	4.55	1.52	2.27		
Provides: doc. RNDr. Ján Kaňuk, PhD., Mgr. Daniela Buchalová							
Date of last modification: 27.06.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							
University: P. J.	Šafárik Univers	ity in Košice					
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Faculty: Faculty	y of Science						
Course ID: ÚG EKG/21	rse ID: ÚGE/ Course name: Economic geography						
Course type, sc Course type: I Recommended Per week: 3 / 1 Course method	ope and the met Lecture / Practice I course-load (h Per study peri d: present	thod: ours): od: 42 / 14					
Number of EC	I'S credits: 6						
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	ts: 70					
А	В	С	D	Е	FX		
10.0	10.0 12.86 22.86 27.14 24.29 2.86						
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD.							
Date of last mo	dification: 27.06	5.2022					
Approved: prof	. Mgr. Jaroslav H	Iofierka, PhD.					

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: CJP/ PFAJ4/07	Course name: English Language of Natural Science
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	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: 3075

А	В	С	D	Е	FX		
38.44	26.08	16.46	9.53	7.45	2.05		
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 ENG/18	B ID: ÚGE/ Course name: Environmental Geology				
Course type, sc Course type: I Recommended Per week: 1 / 1 Course metho	ope and the me Lecture / Practice I course-load (h I Per study peri d: present	thod: c ours): od: 14 / 14			
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	its: 3			
А	В	С	D	Е	FX
66.67	66.67 0.0 33.33 0.0 0.0 0.0				
Provides: doc. 1	ng. Katarína Bói	nová, PhD.			
Date of last mo	dification: 26.08	3.2020			
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG ENG1/21	Irse ID: ÚGE/ G1/21Course name: Environmental Geology					
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: 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: 8				
А	A B C D E FX					
0.0	0.0 50.0 37.5 12.5 0.0 0.0					
Provides: doc. I	ng. Katarína Bói	nová, PhD.				
Date of last mo	dification: 27.06	5.2022				
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.		_		

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG MHG1/07	se ID: ÚGE/ Course name: Fieldwork in Human Geography 1/07				
Course type, sc Course type: I Recommended Per week: Per Course metho	ope and the met Practice d course-load (h r study period: 4 d: present	thod: ours): 4d			
Number of EC	IS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	ion:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	its: 572			
А	В	С	D	Е	FX
93.71	2.27	1.57	1.4	0.87	0.17
Provides: RND Dická, PhD., un	r. Stela Csachova iverzitná docentl	á, PhD., Mgr. Ma ka, Mgr. Loránt P	rián Kulla, PhD., regi, PhD.	, RNDr. Janetta N	Nestorová-
Date of last mo	dification: 31.03	3.2020			
Approved: prof	Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J	. Šafárik Univers	sity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG HYP/15	ID: ÚGE/ Course name: Fieldwork in Hydrology					
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	FS credits: 3					
Recommended	semester/trime	ster of the cours	e: 4.			
Course level: I.						
Prerequisities:						
Conditions for	course complet	ion:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	nent f assessed studer	nts: 80				
А	A B C D E FX					
93.75	93.75 5.0 0.0 1.25 0.0 0.0					
Provides: RNDr. Dušan Barabas, CSc.						
Date of last mo	dification: 27.0	5.2022				
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J.	Šafárik Univers	ity in Košice				
Faculty: Faculty of Science						
Course ID: ÚGI MFG/07	E/ Course na	me: Fieldwork i	n Physical Geog	raphy		
Course type, sco Course type: P Recommended Per week: Per Course method	ope and the met tractice course-load (h study period: a l: present	t hod: ours): 3d				
Number of ECT	S credits: 3					
Recommended	semester/trimes	ster of the cours	e: 3.			
Course level: I.						
Prerequisities:						
Conditions for a	course completi	on:				
Learning outco	mes:					
Mapping of phy geography. Stud movement in the will address the of land cover. T thematic map of	ysical geography lents become fai field, locating c assessment and the emphasis is o a particular area	y course focuses miliar with the probjects on a map a classification of on individual wo	on mastering t roblems of orga and basic docume f the various geo rk and assessme	the basics fieldwork nizing field work entation of field somorphological ent of its outcom	work in physical k, residence and sites. In the field, forms and types he, which will be	
Recommended	literature:					
Course languag	e:					
Notes:						
Course assessm Total number of	ent assessed studen	ts: 294				
А	В	С	D	Е	FX	
93.2	6.8	0.0	0.0	0.0	0.0	
Provides: RNDr	Provides: RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., univerzitná docentka					
Date of last mod	lification: 27.08	3.2020				
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD.				
L						

University: P. J. Safarik University in Kosice
Faculty: Faculty of Science
Course ID: ÚGE/ GEP2/18Course name: Fundamentals of Geology for Geographers
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: 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: 1205
A B C D E FX
7.88 17.76 32.53 26.14 10.12 5.56
Provides: doc. Ing. Katarína Bónová, PhD., Ing. Ján Bóna
Date of last modification: 30.09.2021
Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	Šafárik Univers	sity in Košice					
Faculty: Faculty	of Science						
Course ID: ÚGE GEE2/07	E/ Course n	Course name: Geoecology					
Course type, sco Course type: Lo Recommended Per week: 2 / 1 Course method	pe and the me ecture / Practice course-load (h Per study peri : present	thod: e oours): ood: 28 / 14					
Number of ECT	S credits: 5						
Recommended s	emester/trime	ster of the course	e: 5.				
Course level: I.							
Prerequisities:							
Conditions for c	ourse complet	ion:					
Learning outcon	nes:						
Focus will be pu geographic comp evolution, and d landscape and la Recommended I BEDRNA, Z., a Učebné texty, 95 MIČIAN, Ľ., ZA Bratislava skript MIČIAN, Ľ. 198 Bratislava, s. 7-1 MIČIAN, Ľ. 200	at on the devel plexes, regularit ynamics of the ndscape-ecolog iterature: kol. 1992: Ana s TKALÍK, F. 19 á,137s. 99: Pokus o nov 2. 98: Všeobecná g	opment of this di ies of the space di physical – geogr ical planning. lýza a čiastkové s 984: Náuka o kraj ú definíciu krajin geoekológia. Brati	iscipline, differe fferentiation of t raphic complexe yntézy zložiek k ine a starostlivos nej ekológie. Ek	nt dimensions of the physical – geo s. Synthesis of th rajinnej štruktúry sť o životné prost ológia (ČSFR), 3 ika, 88 s. – Skript	the physical – ographic sphere, he principles of . Bratislava. redie. UK ,1,Veda, tá.		
Course language	e:						
Notes: Course assessme Total number of	ent assessed studer	nts: 682					
A	В	C	D	E	FX		
5.43	5.43 12.61 20.82 24.05 34.75 2.35						
Provides: RNDr.	Dušan Baraba	s, CSc., Mgr. Imri	ch Sládek, PhD.	, Mgr. Ján Šašak,	, PhD.		
Date of last mod	ification: 19.0	8.2020					
Approved: prof.	Mgr. Jaroslav I	Hofierka, PhD.					

University: P. J. Šafa	árik University in Košice				
Faculty: Faculty of S	Science				
Course ID: ÚGE/ GIS/15	E ID: ÚGE/ 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: 392

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

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

Date of last modification: 27.06.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG GEO1/15	E/ 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	I'S 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: 79				
А	В	С	D	E	FX	
15.19	21.52	29.11	20.25	13.92	0.0	
Provides:			<u></u>			
Date of last mo	dification: 02.06	5.2021				
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Science						
Course ID: ÚGE/ GNAB/18Course 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 ECTS credits: 3						
Recommended semester/trimester of the course: 6.						
Course level: I.						
Prerequisities:						
At the beginning of the semester, pairs of students choos a topic from provided list. During the semester, they elaborate presentation with the content of essay (identify disputable questions, approaches and views on that questions, providing authors opinion based on arguementation). This part constitute 50 % of total total evaluation. Another 10 % represents the activity at the seminars (discussions, presentation of own opinion). Remaining 40 % of evaluation is represented by written verification of acquired knowledge (two or three tests). Evaluation of both, the essays and written verification must reach at least 50 % to complete the course. To get an A grade, it is necessary to obtain at least 90% of weighted average. 80% to grade B, 70% to C. 60% to D and at least 50% to grade E.						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 34						
A B C D E FX						
29.41 23.53 29.41 8.82 8.82 0.0						
Provides: doc. Mgr. Ladislav Novotný, PhD.						
Date of last modification: 17.02.2020						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J.	. Šafárik Univers	ity 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	ent f assessed studen	ts: 20				
А	В	С	D	Е	FX	
20.0	10.0	30.0	25.0	15.0	0.0	
Provides: doc. Mgr. Ladislav Novotný, PhD.						
Date of last modification: 27.06.2022						
Approved: prof	² . Mgr. Jaroslav H	Iofierka, PhD.		_		

University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of S	Faculty: Faculty of Science						
Course ID: ÚGE/ GCZ/07	Course name: Geography of Tourism and Foreign Trade						
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 1 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 28 / 14 esent						
Number of ECTS cro	edits: 5						
Recommended seme	ster/trimester of the course: 3.						
Course level: I.							
Prerequisities:							
Conditions for cours	e completion:						
Learning outcomes:							
Geography of tourism the development of the Slovakia from the por Domestic and foreign of the transport studies in Slovakia.	n - theoretical and methodological background. Potential of the country for courism and its location conditions. Settlement types and regionalisation of bint of tourism development. Tourism regions in Slovakia. Foreign tourism. In trade and its role. Regularities of the commodity movement. Basic methods es. Use of geographic methods in the geography of transpor. Service sector						
Recommended litera BOROVSKÝ, J. a ko GOELDNER, CH.R. Biz books, 545 s. HALÁS, M., 2000: Z Philosopher Universi HALL, C.M PAGE and New York, 399 p HAVRLANT, J., 200 Ostravská univerzita, MARIOT, P., 1983: C OTRUBOVÁ, E., 200 cestovného ruchu). P ŠTEPÁNEK, KOPAC 228s.	 Al., 2008: Cestovný ruch, trendy a perspektívy. Iura Edition, 280 s. BRENT RICHIE, J.R., 2014: Cestovní ruch - principy, příklady, trendy. Zahraničný obchod SR s ČR. Geographical Studies 7, Constantine the ty Nitra, s. 98-107. S.J. 2002: The geography of tourism and recreation, 2. edition, London 7: Geografie cestovního ruchu I. Základy geografie cestovního ruchu, 41 s. Geografia cestovného ruchu. Veda, Bratislava, 224 s. 03: Humánna geografia II (Geografia zahraničného obchodu, Geografia rírodovedecká fakulta UPJŠ, Košice, 105 s. ČKA, ŠÍP, 2001: Geografie cestovního ruchu, Vydalo Karolinum Praha, 						
Course language:							
Notes:							

Course assessment					
		ls. 574	D		
A	В	С	D	E	FX
13.9	25.94	25.67	21.12	12.03	1.34
Provides: Mgr. Marián Kulla, PhD., Bc. Martina Gregáňová, doc. Mgr. Michal Gallay, PhD.					
Date of last modification: 21.09.2019					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

Faculty: Faculty of Science Course ID: ÚGE/ GPL/13 Course name: Geography of agriculture Course type, scope and the method: Course type: Lecture / Practice Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present Course type: Lecture / Practice Number of ECTS credits: 5 Recommended semester/trimester of the course: 4.					
Course ID: ÚGE/ GPL/13Course name: Geography of agricultureCourse type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: presentNumber of ECTS credits: 5Recommended semester/trimester of the course: 4.					
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present Number of ECTS credits: 5 Recommended semester/trimester of the course: 4.					
Number of ECTS credits: 5 Recommended semester/trimester of the course: 4.					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisities:					
Conditions for course completion:					
Learning outcomes:					
Location theories, factors and methods of agriculture evaluation. Development of agriculture and regularities of distribution of agricultural lands. Basic sector structure of agriculture. The agricultural countries and their typology. Agriculture in urban and rural country. The land use map. Price of land. Geography of forests and its typology. Relationship of agriculture and environment.					
Recommended literature: FALKOWSKI, J., KOSTROWICKI, J., 2001: Geografia rolnictwa świata. PWN, Warszawa, 516					
 p. IVANIČKA, K., 1983: Základy teórie a metodológie socioekonomickej geografie. Bratislava, SPN, 449 s. MLÁDEK, J. a kol., 1983: Cvičenia zo socioekonomickej geografie. Bratislava, Prírodovedecká fakulta, Univerzita Komenského. 187 s. SPIŠIAK, P., 2005: Základy geografie poľnohospodárstva a lesného hospodárstva. Prírodovedecká fakulta, Univerzita Komenského, Bratislava. 140 s. TOUŠEK, V. a kol., 2008: Ekonomická a sociální geografie. Plzeň. 2008, 411 s. 					
Course language:					
Notes:					
Course assessment Total number of assessed students: 106					
A B C D E FX					
22.64 29.25 26.42 12.26 7.55 1.89					
Provides: Mgr. Marián Kulla, PhD., Bc. Martina Gregáňová, doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 31.03.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG GPOL/21	E/ Course name: Geography of agriculture and industry				
Course type, sc Course type: 1 Recommended Per week: 1/2 Course metho	cope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: ; ours): od: 14 / 14			
Number of EC	TS credits: 3				
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	Course assessment Total number of assessed students: 13				
А	В	С	D	Е	FX
30.77	15.38	23.08	15.38	15.38	0.0
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 14.02.2023					
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	Faculty: Faculty of Science					
Course ID: ÚG GPD1/15	E/ Course na	Course name: Geography of industry and transport				
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	ion:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	Course language:					
Notes:	Notes:					
Course assessm Total number of	Course assessment Total number of assessed students: 281					
А	В	С	D	Е	FX	
13.52	13.52 17.44 24.2 27.76 15.3 1.78					
Provides: Mgr. Marián Kulla, PhD., Mgr. Loránt Pregi, PhD., prof. Mgr. Jaroslav Hofierka, PhD.						
Date of last modification: 31.03.2020						
Approved: prof	² . Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J. Šafa	arik University in Košice					
Faculty: Faculty of Science						
Course ID: ÚGE/ MG/18	Course name: Geography of mining					
Course type, scope a Course type: Lectu Recommended cou Per week: 2 Per stu Course method: pr	and the method: re irse-load (hours): idy period: 28 esent					
Number of ECTS ci	redits: 2					
Recommended sem	ester/trimester of the course: 3.					
Course level: I.						
Prerequisities:						
Conditions for cour The evaluation is ba is carried out during The final control is is a weighted averag only to student who the evaluation.	se completion: sed on a combination of continuous and final control. The continuous control the teaching part by written test with a share of 30 % of the final evaluation. written and constitutes 70 % of the final evaluation. The resulting evaluation e of the continuous (30 %) and final (70 %) controls. Credits will be awarded achieves the evaluation at the minimum level of the mark E in every part of					
Learning outcomes: To acquaint students of geographic aspect from a geographical	with basic facts and knowledge of the history of mining science from the view to obtain information overview of the history of the Slovak and world mning point of view.					
Brief outline of the Historical foundation heyday in the Midd Empire, First World the world "gold rush consequences of min importance for the p	course: ns of the global mining industry, mining oldest written records of mining le Ages, the first mining maps, Slovak ore mining in the Austro-Hungarian Mining Academy in Banská Štiavnica mining and migration of the population, ", salt roads Europe, coal mining and electrification of industry, environmental ning devastation, mining open-air museums in Slovakia and Europe and their romotion of tourism.					
Recommended liter Ježek, B. a Hummel Preklad z českého or 80-7225-218-6. Puzder, J., 2000: Sar Vozár, J., 2000: Zlata 80-968421-4-5. Vozár, J., 2002: Kód Banská agentúra, 20 Zícha, Z., 2005: Bac a legacy which cann 80-902278-9-9.	ature: , J., 2006: Georgius Agricola, Dvanásť kníh o baníctve a hutníctve. riginálu: Petr, K. a Petrová, M., Ostrava: Montanex a.s., 2006, 546s., ISBN nuel Mikovíni, život a dielo. Košice: FBERG TU Košice, 115s. á kniha baníctva. Košice: Tibor Turčan/Banská agentúra, 2000, 263s., ISBN ex mestského a banského práva Banskej Štiavnice. Košice: Tibor Turčan/ 02, 71s., ISBN 80-968621-2-X. k to the past. The history of technology and manpower in the mining is ot be forgotten. Ústí nad Labem: CDL Design s.r.o., 2005, 98p., ISBN					

Course langua Slovak	ge:					
Notes: without notes						
Course assess Total number of	nent of assessed studen	ts: 9				
А	В	С	D	Е	FX	
77.78	11.11	11.11	0.0	0.0	0.0	
Provides: doc. Ing. Katarína Bónová, PhD.						
Date of last modification: 19.08.2020						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	y of Science					
Course ID: ÚG MOG/21	E/ Course name: Geography of mining					
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the met Lecture l 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	on:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:	Notes:					
Course assessm Total number of	ent f assessed studen	ts: 7				
А	В	С	D	Е	FX	
71.43	14.29	14.29	0.0	0.0	0.0	
Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Imrich Sládek, PhD.						
Date of last mo	dification: 16.02	2.2023				
Approved: prof	[°] . Mgr. Jaroslav H	Iofierka, PhD.		_		

University: P. J. Šafá	irik University in Košice
Faculty: Faculty of S	Science
Course ID: ÚGE/ OBY2/18	Course name: Geography of population and settlements
Course type, scope a Course type: Lectur Recommended cou Per week: 2 / 2 Per Course method: pro	ind the method: re / Practice irse-load (hours): study period: 28 / 28 esent
Number of ECTS cr	redits: 6
Recommended seme	ester/trimester of the course: 3.
Course level: I.	
Prerequisities:	
Conditions for cours Evaluation of studen examination for the p participation of stude reach required active can not log on to the	se completion: t performance is carried out by combining ongoing review during the term of period of the semester. Continuous control consists of min. 80 % of the active ents in teaching and successfully solving assignments. If a student does not e participation of teaching and successfully does not solve the given problem test.
Learning outcomes: The student will acc Settlements. Student the world according	quire theoretical and methodological basis of Geography of Population and s will acquire a basic spatial differentiation of population and settlements in to basic characteristics.
Brief outline of the of Population geograph Distribution of population structure Geography settlemen Geographical location morphology; Urban hierarchy of settlem methods of research) geographical interpret Seminars Seminars during the settlem	y as a science discipline; Trends and forecasts of the world population; lation; Natural and mechanical movement of population (natality, mortality, ement of the population, model of demographic cycle, population migration); on the basis of biological, cultural and economic characteristics; nts as a scientific discipline; Settlement development and settlement systems; on of settlements; The structure of settlements by size, dynamics and geography (definition of city, creation of city and functions cities); The nents and Gravity; Urbanization (basic concepts, indicators, aspects and); Rural settlement systems (compact and scattered rural settlements and their etation).
Recommended liter: BAŠOVSKÝ, O., M UK, Bratislava, 221. CHALUPA, P., TAR Brno.	ature: LÁDEK, J. 1989: Geografia obyvateľstva a sídel. Prírodovedecká fakulta ABOVÁ, Z. 1990: Geografie obyvatelstva, demografie, geografie sídel. MU,

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

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

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

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

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

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

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 867

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

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

Date of last modification: 21.02.2018

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	Faculty: Faculty of Science					
Course ID: ÚG GST/21	Course ID: ÚGE/ Course name: Geography of services and tourism GST/21					
Course type, sc Course type: I Recommended Per week: 1 / 1 Course metho	ope and the met Lecture / Practice d course-load (h Per study period: present	thod: ; ours): od: 14 / 14				
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: 11				
А	В	С	D	Е	FX	
18.18	36.36	27.27	9.09	9.09	0.0	
Provides: Mgr. PhD.	Marián Kulla, Pł	nD., doc. Mgr. La	dislav Novotný,	PhD., doc. Mgr.	Michal Gallay,	
Date of last mo	Date of last modification: 27.06.2022					
Approved: prof	Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚGE/ GCR/12Course name: Geography of the Czech Republic							
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present							
Number of ECTS credits: 4							
Recommended semester/trimester of the course: 5.							
Course level: I.							
Prerequisities:							
Conditions for course completion:							
Learning outcomes:							
Brief outline of the course: Introduction, location, basic FG features of the Czech Republic. Geological structure of the Czech Republic, main geological entities according to the newest classification. Geomorphological structure and the relief evolution, geomorphological entities and units. Climate, hydrography of the Czech Republic, underground waters and mineral waters. Soils, phytogeography and zoogeography, present landscape types. History of settlements in the Czech Republic from the historical perspective. National, linguistic and religious structure. Urban and rural settlements. Administrative division and its historical development. Economiy of the country - natural resouces, agriculture, industry, transport, education and tourism.							
Recommended literature:							
Course language:							
Notes: Course assessment Total number of assessed students: 295							
A B C D E FX							
51.86 31.19 14.24 2.71 0.0 0.0							
Provides: Mgr. Marián Kulla, PhD., Mgr. Imrich Sládek, 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 GCR1/21	ÚGE/ 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: ours): od: 28 / 14				
Number of EC	I'S credits: 4					
Recommended	semester/trimes	ster of the cours	e: 5.			
Course level: 1.	, 11.					
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: 11				
А	В	С	D	Е	FX	
18.18	18.18	45.45	18.18	0.0	0.0	
Provides: Mgr.	Marián Kulla, Pl	nD., doc. Mgr. La	dislav Novotný,	PhD.	L	
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: Facult	Faculty: Faculty of Science						
Course ID: ÚG GAH/21	E/ Course na	Course name: Geography of the atmosphere and hydrosphere					
Course type, sc Course type: I Recommended Per week: 3 / 1 Course metho	ope and the me Lecture / Practice I course-load (h I Per study peri d: present	thod: c ours): od: 42 / 14					
Number of EC	I'S credits: 6						
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	its: 68					
А	В	С	D	Е	FX		
2.94	22.06	35.29	33.82	5.88	0.0		
Provides: RND Mgr. Jaroslav H	Provides: RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., univerzitná docentka, prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Tomáš Fedor, Mgr. Jozef Šupinský, PhD.						
Date of last mo	dification: 27.06	5.2022					
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.					

University: P. J. Šafárik University in Košice								
Faculty: Facult	y of Science							
Course ID: ÚG GPED/21	Course ID: ÚGE/ Course name: Geography of the pedosphere and biosphere GPED/21							
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: 41								
А	В	С	D	Е	FX			
0.0	0.0 4.88 14.63 34.15 24.39 21.95							
Provides: RNDr. Dušan Barabas, CSc., doc. Mgr. Michal Gallay, PhD.								
Date of last mo	dification: 13.02	2.2023						
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.						

University: P. J. Šafá	rik University in Košice							
Faculty: Faculty of S	Faculty: Faculty of Science							
Course ID: ÚGE/ SGI/15	Course name: Geoinformatics seminar							
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce crse-load (hours): dy period: 28 csent							
Number of ECTS cro	edits: 2							
Recommended seme	ster/trimester of the course: 6.							
Course level: I.								
Prerequisities:								
Conditions for cours Active participation of	e completion: on semjnars and a successful presentation of semestral work.							
The goal of seminars Remote Sensing and geospatial problems of tools. The students we methods and software Other geospatial experience Brief outline of the c	is to provide the most current information and trends in the area of GIScience, geospatial technologies. The students will learn how to solve geographic/ using GIS tools and other specialized softwares such as LASTools or online vill present the state of their thesis with focus on geospatial aspects, data, e tools. They will have the opportunity to consult solutions, problems, results. erts will be invited to participate depending on topics solved by students.							
Presentation of bache software tools. Form team discussion, pres	elor thesis problem formulation with focus on geospatiadata, methods, and ulation of research problem, data and methods. Methodology, partial results, entation of results. Final presentation of semestral works.							
Recommended litera HOFIERKA, J., KAŇ Šafárika v Košiciach. NETELER, M., MITA York(Springer Verlag LONGLEY, P. A., GO Information Systems LILLESAND, T.M., Interpretation. 7. Vyd QGIS 2020: QGIS DO GRASS GIS 2020: G	ture: UK, J., GALLAY, M., 2014. Geoinformatika. Univerzita Pavla Jozefa ASOVA, H., 2008. Open Source GIS: A GRASS GIS Approach. New) DODCHILD, M. F., MAGUIRE, D. J., RHIND, D. W., 2001. Geographic and Science. John Wiley & Sons. KIEFER, R.W., CHIPMAN, J.W., 2015. Remote Sensing and Image anie, New York, USA (Wiley),756 s ocumentation. http://www.qgis.org/en/docs/index.html RASS Wiki. http://grass.osgeo.org/wiki/GRASS-Wiki							
Course language:								
Notes:								

Course assessment Total number of assessed students: 51							
abs	n						
100.0	0.0						
Provides: doc. Mgr. Michal Gallay, PhD., doc. RNDr. Ján Kaňuk, PhD., prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Daniela Laubertová							
Date of last modification: 17.09.2020							
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/ SGI2/21	Course ID: ÚGE/ Course name: Geoinformatics seminar GI2/21					
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 course	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 assessed students: 0						
	abs n					
0.0 0.0						
Provides: doc. Mgr. N	Michal Gallay, PhD., doc. R	NDr. Ján Kaňuk, PhD.				
Date of last modifica	Date of last modification: 27.06.2022					
Approved: prof. Mgr	Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J.	Šafárik Univers	ity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚG GEX1/07	Course ID: ÚGE/ Course name: Geological excursion GEX1/07						
Course type, sc Course type: F Recommended Per week: Per Course metho	ope and the met Practice I course-load (h study period: 2 d: present	thod: ours): 3d					
Number of EC	FS credits: 2						
Recommended	semester/trimes	ster of the cours	e: 2.				
Course level: I.							
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	mes:						
Brief outline of Visiting of diffe Central Westerr know the process	the course: erent localities in a Carpathians. V ss of manufactur	the Western Car isiting of severa ing of the rocks.	rpathian tecton	ic units - Flysh b mining in Slovak	elt, Klippen belt, ia and getting to		
Recommended Regionálne geo ŽEC, B. et al., 2 Zemplínska šíra BIELY, A. et al. COE, A. L. (ed.	literature: logické mapy Slo 2005: Exkurzný s lva - Medvedia h ., 1996: Geologic) et al., 2010: Ge	ovenska (1:50 00 sprievodca ku ko: ora. CompuGrap cká mapa Slovens cological Field te	0) + Vysvetliv ngresu Slovens h, Košice, 138 ska, 1 : 500 00 chniques. Wile	ky. skej geologickej s s. 0. MŽP SR, ŠGÚ ey-Blackwell, UK	poločnosti DŠ, Bratislava. , 323 pp.		
Course languag	ge:						
Notes:							
Course assessm Total number of	ent f assessed studen	ts: 477					
А	В	С	D	Е	FX		
82.18	13.42	2.73	0.0	0.0	1.68		
Provides: doc. I	ng. Katarína Bói	nová, PhD.					
Date of last mo	dification: 26.08	3.2020					
Approved: prof	Mgr. Jaroslav H	Hofierka, PhD.					
L							

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Science						
Course ID: ÚGE/ GEX2/21	Course ID: ÚGE/ Course name: Geological excursion GEX2/21					
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	se completion:					
Learning outcomes:						
Brief outline of the c	course:					
Recommended litera	ature:					
Course language:						
Notes:						
Course assessment Total number of assessed students: 55						
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 University in Košice							
Faculty: Faculty of	Faculty: Faculty of Science						
Course ID: ÚGE/ GMAP/13Course name: Geomorphological mapping							
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present						
Number of ECTS credits: 2							
Recommended semester/trimester of the course: 4.							

Course level: I.

Prerequisities:

Conditions for course completion:

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

Learning outcomes:

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

Brief outline of the course:

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

Recommended literature:

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

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

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

ZAŤKO, M. et al. 1986: Obecná geomorfologická mapa a jej legenda. In: Cvičenia z fyzickej geografie. Prírodovedecká fakulta Univerzity Komenského, Bratislava. 43-53.
Course language:						
Notes:						
Course assessment Total number of assessed students: 13						
А	В	С	D	Е	FX	
84.62	0.0	15.38	0.0	0.0	0.0	
Provides: RND	r. Alena Gessert,	PhD., univerzitna	á docentka	·		
Date of last modification: 13.02.2023						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafárik University in Košice						
Faculty: Faculty	y of Science					
Course ID: ÚG GMP/21	GE/ Course name: Geomorphological mapping					
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: 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	Course assessment Total number of assessed students: 9					
А	В	С	D	Е	FX	
0.0	0.0 0.0 100.0 0.0 0.0 0.0					
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka						
Date of last modification: 27.06.2022						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Science						
Course ID: ÚG GEM2/18	GE/ Course name: Geomorphology					
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	I'S credits: 6					
Recommended	semester/trimes	ster of the cours	e: 2.			
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: 1329				
А	В	С	D	Е	FX	
10.53	20.92	21.52	17.23	19.86	9.93	
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Imrich Sládek, PhD., doc. Ing. Katarína Bónová, PhD.						
Date of last modification: 13.02.2023						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafárik 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	and the method: re / Practice irse-load (hours): r study period: 28 / 28 resent						
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: 19

А	В	С	D	Е	FX
5.26	21.05	31.58	21.05	21.05	0.0

Provides: doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 23.11.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty of Science						
Course ID: ÚG EXH/21	E/ Course name: Human Geography Excursion					
Course type, sc Course type: I Recommended Per week: Per Course metho	ope and the met Practice I course-load (h r 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: 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: 49				
А	В	С	D	Е	FX	
55.1	30.61	14.29	0.0	0.0	0.0	
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, 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 EXHG1/15	D: ÚGE/ Course name: Human Geography Excursion					
Course type, sc Course type: H Recommended Per week: Per Course metho	ope and the met Practice d course-load (h r study period: (d: present	thod: ours): 6d				
Number of EC	somostor/trimo	stor of the cours	a: 5			
Course level. I			e. J.			
Prerequisities.						
Conditions for	course completi	on•				
L corning outco	mos					
Deviation of	the course					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessment Total number of	ent f assessed studen	ts: 790				
А	В	С	D	Е	FX	
78.99	11.14	7.59	0.89	0.76	0.63	
Provides: RNDr. Stela Csachová, PhD., Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka						
Date of last modification: 03.05.2015						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J. Šafárik University in Košice							
Faculty: Faculty	Faculty: Faculty of Science						
Course ID: ÚG HGS/15	E/ Course na	Course name: Human Geography of Slovakia					
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	FS 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 assessm Total number of	ent f assessed studen	its: 543					
А	В	С	D	Е	FX		
4.24	10.5	18.97	34.99	26.89	4.42		
Provides: Mgr. Marián Kulla, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, Mgr. Loránt Pregi, PhD., prof. Mgr. Jaroslav Hofierka, PhD.							
Date of last modification: 31.03.2020							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Science						
Course ID: ÚG HGS1/21	E/ Course na	/ Course name: Human 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: 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: 40				
А	В	С	D	Е	FX	
2.5	7.5	27.5	25.0	37.5	0.0	
Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, 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 HYD/07	E/ Course name: Hydrology and hydrogeography						
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: e iours): od: 28 / 28					
Number of EC	FS credits: 6						
Recommended	semester/trime	ster of the cours	e: 2.				
Course level: I.							
Prerequisities:							
Conditions for	course complet	ion:					
Learning outco	omes:						
Historical deve balance, hydrol- runoff in the pr formation, brea water, physical physical and ch of the world occ	lopment of hyd ogical cycle. Hyd rocess. Measurer kdown, mineral a and chemical pr emical propertie ean.	rology, the paran drography, morph ment of water le and thermal water coperties, classifier s of seawater, sea	neters runoff, a ometric character vels and flow r springs and the cation of lakes. water moves, ra	atmospheric prec eristics of the wat ates. Subsurface eir classification a Oceanografía-rel aw materials and	ipitation, runoff er flow and river water resources nd use. Stagnant lief bathymetric, energy potential		
Recommended BEDIENT, P.B. Publishing Con	literature: ., HUBER, W.C. npany.	, 1989: Hydrolog	y and Floodplai	n Analysis, Addi	son-Wesley		
Course languag	ge:						
Notes:							
Course assessm Total number of	Course assessment Total number of assessed students: 367						
А	В	С	D	E	FX		
1.91	1.91 6.27 12.81 23.98 44.69 10.35						
Provides: RND	r. Dušan Barabas	s, CSc.					
Date of last mo	dification: 19.08	8.2020					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	sity in Košice					
Faculty: Facult	y of Science						
Course ID: ÚG IKT/18	E/ Course na	E/ Course name: Information and communication technologies					
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	cope and the met Practice d course-load (h er study period: d: present	thod: ours): 28					
Number of EC	TS credits: 3						
Recommended	semester/trimes	ster of the cours	e: 1.				
Course level: I.							
Prerequisities:							
Conditions for	course completi	ion:					
Learning outco	omes:						
Students should presentations. S the lecture com	the course: acquire skills w tudents will use es from ECDL st	with word, spread these abilities an tandard.	sheet and databa d skills for activi	se editor, interne ties in other lect	et and editor for ures. Content of		
Recommended Magera, I., 200 378. Morkes, D., 200 strán. Vořech, J., Mor Franců, M., 200 Štandard ECDI	 the lecture comes from ECDL standard. Recommended literature: Magera, I., 2002: Microsoft PowerPoint 2002. Uživatelská příručka. Computer Press, Praha, s. 378. Morkes, D., 2002: Microsoft Access 2002. Uživatelská příručka, Computer Press, Praha, 234 strán. Vořech, J., Morkes, D., 2002: 1001 tipů a triků pro Internet. Computer Press, Praha, 384 strán. Franců, M., 2003: Jak zvládnout testy ECDL. Computer Press, Praha, 132 strán. 						
Course languag	ge:						
Notes:							
Course assessm Total number of	Course assessment Total number of assessed students: 540						
А	В	С	D	Е	FX		
58.7	58.7 20.0 13.89 4.44 1.3 1.67						
Provides: doc. RNDr. Ján Kaňuk, PhD., Mgr. Jozef Bogľarský							
Date of last modification: 21.02.2018							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J.	Šafárik Univers	ity in Košice					
Faculty: Faculty	of Science						
Course ID: ÚGE ZAE1/18	E/ Course name: International Excursion 1						
Course type, sco Course type: P Recommended Per week: Per Course method	ppe and the met ractice course-load (h study period: l: present	t hod: ours): 10d					
Number of ECT	'S credits: 5						
Recommended s	semester/trimes	ster of the cours	e: 4.				
Course level: I.							
Prerequisities:							
Conditions for c	ourse completi	on:					
Learning outcor	mes:						
Brief outline of	the course:						
Recommended I	literature:						
Course language	e:						
Notes:							
Course assessme Total number of	ent assessed studen	ts: 22					
A	В	С	D	Е	FX		
50.0	18.18	18.18	9.09	4.55	0.0		
Provides:				<u> </u>			
Date of last mod	lification: 27.06	5.2022					
Approved: prof.	Mgr. Jaroslav H	Iofierka, PhD.					

University: P. J. Šafá	rik University in Košice					
Faculty: Faculty of S	Faculty: Faculty of Science					
Course ID: ÚGE/ ZEX1/21	Course ID: ÚGE/ Course name: International Excursion 1 EX1/21					
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: 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	iture:					
Course language:						
Notes:						
Course assessment Total number of asses	ssed students: 14					
	abs	n				
	92.86 7.14					
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Marián Kulla, PhD.						
Date of last modifica	Date of last modification: 27.06.2022					
Approved: prof. Mgr	Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J. Šafá	rik University in Košice							
Faculty: Faculty of S	cience							
Course ID: ÚGE/ UGIS/15	Course name: Introduction to Geographic Information Systems							
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pre	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present							
Number of ECTS cr	edits: 3							
Recommended seme	ester/trimester of the course: 2.							
Course level: I.								
Prerequisities:								
Conditions for course During the semester assessment is based of From the practical sk least 80 points to get get E. The credits sha practicals or he/she v	Se completion: , students will need to hand in the outputs of the practicals. The resulting on the final practical skills verification and delivery of the outputs of practicals. stills verification, students must obtain at least 90 points to get the A mark, at B, at least 70 points to get C, at least 60 points to get D, at least 50 points to all not be granted to a student who does not hand in one or more outputs of the vill get less than 50 points out of 100.							
Learning outcomes: The main learning o geodata processing i map layouts.	utcomes include understanding of GIS terminology, practical skills in basic n GIS software. In particular, the skills involve data edtiting and creation of							
Brief outline of the c - Basic GIS termino elements, attribute ta - Basic control eleme adjusting color data l - Prepare and connec - Set the legend (sele - Creating map layou	course: blogy (eg. geodata layer, geodata formats, structure of GIS, graphics map ble, structure of relational databases) ents of GIS software (add and configure a data layer and properties, zooming, ayer, display and basic work with attribute tables) t an external database with the data layer ection of cartographic methods of spatial information) its and advanced graphics tools for creating map layouts							
Recommended litera BOLTIŽIAR M. 200 Filozofa v Nitre, Fak BOLTIŽIAR, M. VC Univerzita Konštantí MICHAEL D. KENN Workbook Approach LAW M, COLLINS	ature: 8: Geografické informačné systémy pre geografov I. Univerzita Konštantína ulta Prírodných vied. 120 s. DJTEK M. 2009. Geografické informačné systémy pre geografov II. na Filozofa v Nitre, Fakulta Prírodných vied. 140 s. NEDY. 2013:Introducing Geographic Information Systems with ArcGIS: A to Learning GIS, 3rd Edition. Wiley. 672 p. A. 2013:Getting to Know ArcGIS for Desktop. Edition 3. Esri Press. 768 p.							
Course language:								
Notes:								

Course assessment Total number of assessed students: 884							
ABCDEFX							
13.91 14.03 25.9 22.85 20.48 2.83							
Provides: doc.	Provides: doc. Mgr. Michal Gallay, PhD., doc. RNDr. Ján Kaňuk, PhD.						
Date of last modification: 27.06.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J.	. Šafárik Univers	ity in Košice				
Faculty: Faculty	Faculty: Faculty of Science					
Course ID: ÚG UGP/18	Course name: Introduction to Geography and Planetary Geography					
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	IS 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	nent f assessed studen	ts: 448				
А	В	С	D	Е	FX	
35.94	27.9	18.08	12.05	5.8	0.22	
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Štefan Kolečanský						
Date of last mo	dification: 27.06	5.2022				
Approved: prof	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: Dek. PF UPJŠ/USPV/13	Course ID: Dek. PF Course name: Introduction to Study of Sciences				
Course type, scope a Course type: Lectur Recommended cour Per week: Per stud Course method: pre	Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: Per study period: 12s / 3d Course method: present				
Number of ECTS cr	edits: 2				
Recommended seme	ster/trimester of the cours	e: 1.			
Course level: I.					
Prerequisities:					
Conditions for cours	e completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	iture:				
Course language:					
Notes:					
Course assessment Total number of asses	ssed students: 2196				
	abs n				
89.34 10.66					
Provides: doc. RNDr. Marián Kireš, PhD.					
Date of last modification: 30.08.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J.	. Šafárik Univers	ity in Košice					
Faculty: Faculty	Faculty: Faculty of Science						
Course ID: ÚG LOS/18	E/ Course name: Linux and open source GIS						
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	FS 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	ent f assessed studen	ts: 70					
А	В	С	D	Е	FX		
61.43	61.43 34.29 4.29 0.0 0.0 0.0						
Provides: Mgr. Michaela Nováková, PhD., prof. Mgr. Jaroslav Hofierka, PhD.							
Date of last mo	dification: 30.09	9.2021					
Approved: prof	² . Mgr. Jaroslav H	Iofierka, 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 language: Slovak							
Notes:	Notes:						
Course assessment Total number of assessed students: 128							
А	B C D E FX						
8.59	9.38	13.28	21.09	44.53	3.13		
Provides: doc.]	Provides: doc. RNDr. Ingrid Semanišinová, PhD., RNDr. Matej Slabý						
Date of last modification: 14.04.2022							
Approved: prot	f. Mgr. Jaroslav H	Iofierka, PhD.					

University: P. J.	. Šafárik Univers	sity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚG MPG/21	E/ Course na	Course name: Metageography and planetary geography					
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: 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	its: 132					
А	В	С	D	Е	FX		
42.42	45.45	9.09	0.76	0.0	2.27		
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Katarína Onačillová, PhD.							
Date of last mo	dification: 27.06	5.2022					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	University: P. J. Šafárik University in Košice						
Faculty: Facult	Faculty: Faculty of Science						
Course ID: ÚG MEK/15	Course ID: ÚGE/ Course name: Meteorology and Climatology MEK/15						
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	IS credits: 6						
Recommended	semester/trimes	ster of the cours	e: 2.				
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	ent f assessed studen	ıts: 294					
А	В	С	D	Е	FX		
19.39	19.39 31.97 28.57 14.63 4.42 1.02						
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Imrich Sládek, PhD.							
Date of last mo	dification: 28.08	3.2020					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	ity in Košice					
Faculty: Facult	y of Science						
Course ID: ÚG HGV/21	E/ Course na	Course name: Methods of human geographical research					
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 3 Per study period: 42 Course method: present							
Number of EC	TS credits: 3						
Recommended	semester/trimes	ster of the cours	e: 6.				
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 o	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: RNDr. Stela Csachová, PhD., 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	Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	Faculty: Faculty of Science				
Course ID: ÚG FGV/21	E/ Course na	Course name: Methods of physical geographical research			
Course type, sc Course type: I 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: 13			
А	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., univerzitná docentka, doc. Ing. Katarína Bónová, PhD.					
Date of last mo	dification: 27.06	5.2022			
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J. Šafárik University in Košice						
Faculty: Faculty of Science						
Course ID: ÚGE/ MTK/21	Course name: Methods of thematic cartography					
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pre	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: 2.						
Course level: I.						

Prerequisities:

Conditions for course completion:

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

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

Learning outcomes:

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

Brief outline of the course:

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

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

Recommended literature:

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

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

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

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

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

Course language:

Notes:

Course assessment

Total number of assessed students: 10

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

University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of Science							
Course ID: ÚGE/ MIK/15	Course name: Microgeography						
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 course: 5.						
Course level: I.							
Prerequisities:							
Conditions for cours Elaboration and pres passing a final test w The course consists of with the basic knowled demonstrates indeper	e completion: entation of a semester work with a weight of 70% of the total evaluation, with a success rate of over 50% and a weight of 30% of the total evaluation. of theoretical and practical part. In the theoretical part, students are presented edge necessary to master the practical part - semester work, which the student indent mastery of the issue.						
Learning outcomes: Ability to analyze ar administration, self-g	nd synthesize a selected micro-region (local country) for the needs of state government and teaching practice.						
Brief outline of the c 1. Theory and method 2. Historical developed 3 4. Differentiation geography (location a - soils - flora - fauna) 5 6. Differentiation geography (population 7. Presentation of the 8. Regionalization; m microregions in the K 9 10. Application government and teach 11. Presentation II. pa 12. Final test 13. Final evaluation	ourse: dology of the subject, object and subject of microgeography. ment and present of microgeography; genius loci, identity with territory of the landscape sphere on the example of a selected microregion I physical and delimitation of the area - geological conditions - relief - climate - water of the landscape sphere on the example of a selected microregion II human on - settlement structure - production sphere - non-production sphere). first part of the semester work - physical geography nicroregional associations of municipalities, local action groups, examples of Košice region of knowledge of microgeography in practice (in state administration, self- hing practice), arts of semester work - human geography						
Recommended litera DUBCOVÁ, A. 2012	i ture: 2: Mikrogeografia – krajina okolo nás, UKF Nitra, 185 s.						

HASPROVÁ, M. 2006: Geografia miestnej krajiny v edukačnom procese, UKF Nitra, 203 s. KANDRÁČOVÁ, V., MICHAELI, E. 1996: Mikrogeografia v edukácii, výskume a pre prax. In: Krajina východného Slovenska v odborných a vedeckých prácach. Prešov: KGG PdF UPJŠ, 1997, s. 265 – 285

KROPILÁK, M. (ed.) 1977: Vlastivedný slovník obcí na Slovensku I. 1. vyd. Bratislava : Veda, 526 s.

KROPILÁK, M. (ed.) 1977: Vlastivedný slovník obcí na Slovensku II. 1. vyd. Bratislava : Veda, 517 s.

KROPILÁK, M. (ed.) 1978: Vlastivedný slovník obcí na Slovensku III. 1. vyd. Bratislava : Veda, 532 s.

LUKNIŠ, M., 1977: Geografia krajiny Jura pri Bratislave. UK, Bratislava. 211 s. Ďalšia literatúra podľa zvoleného územia

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 91

А	В	С	D	Е	FX
41.76	41.76	14.29	2.2	0.0	0.0

Provides: Mgr. Imrich Sládek, PhD.

Date of last modification: 28.08.2020

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, 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: 23			
А	В	С	D	Е	FX
60.87	39.13	0.0	0.0	0.0	0.0
Provides: Mgr.	Imrich Sládek, P	hD., doc. Mgr. L	adislav Novotný	ý, PhD.	
Date of last mo	dification: 27.06	5.2022			
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.			

University, D.I.	Šofárik Univers	itu in Kažiaa			
University: P. J		sity in Kosice			
Faculty: Facult	y of Science				
Course ID: ÚG NSGE/15	ÚGE/ Course name: Mineral Resources - geological and environmental relations				
Course type, sc Course type: I Recommended Per week: 2 / Course metho	cope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: c ours): od: 28 / 14			
Number of EC	IS credits: 4				
Recommended	semester/trimes	ster of the cours	e: 6.		
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: 151			
A	В	С	D	Е	FX
41.72	25.17	21.19	9.27	0.66	1.99
Provides: doc. Ing. Katarína Bónová, PhD.					
Date of last mo	dification: 30.09	9.2021			
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J.	University: P. J. Šafárik University 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 assessm Total number of	ent f assessed studen	ts: 11			
А	В	С	D	Е	FX
18.18	0.0	54.55	27.27	0.0	0.0
Provides: doc. Ing. Katarína Bónová, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka					
Date of last mo	dification: 23.08	3.2023			
Approved: prof	[°] . Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J. Šafá	University: P. J. Šafárik University in Košice				
Faculty: Faculty of S	cience				
Course ID: ÚGE/ EXF/21	Course name: Physical Ge	ography 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: 1.					
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: 18				
	abs	n			
	100.0 0.0				
Provides: RNDr. Dušan Barabas, CSc., 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	ity in Košice			
Faculty: Faculty	Faculty: Faculty of Science				
Course ID: ÚG EXFG/15	E/ 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 EC	IS credits: 3				
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: 798			
Α	В	С	D	Е	FX
88.85	8.9	1.13	0.13	0.38	0.63
Provides: RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., univerzitná docentka					
Date of last mo	dification: 19.08	3.2020			
Approved: prof	. Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG FGS/15	E/ Course na	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	1 S credits: 5				
Recommended	semester/trimes	ster of the cours	e: 5.		
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	ıts: 544			
А	В	С	D	Е	FX
20.4	28.68	30.88	13.42	3.86	2.76
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Jozef Šupinský, PhD.					
Date of last mo	dification: 28.09	9.2021			
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG FGS1/21	E/ Course name: Physical Geography of Slovakia				
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	TS credits: 5		4		
Recommended	semester/trimes	ster of the cours	e: 4.		
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	ent f assessed studen	ts: 41			
А	В	С	D	Е	FX
21.95	29.27	31.71	7.32	2.44	7.32
Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, doc. Ing. Katarína Bónová, PhD.					
Date of last mo	dification: 14.02	2.2023			
Approved: prof	[°] . Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚG POL2/21	E/ 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 EC18 credits: 5							
Recommended semester/trimester of the course: 6.							
Course level: 1.							
Prerequisities:							
Conditions for course completion:							
Learning outcomes:							
Brief outline of the course:							
Recommended literature:							
Course language:							
Notes:							
Course assessment Total number of assessed students: 14							
А	В	С	D	Е	FX		
21.43	35.71	42.86	0.0	0.0	0.0		
Provides: RNDr. Stela Csachová, PhD., doc. Mgr. Ladislav Novotný, PhD.							
Date of last modification: 27.06.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							
F							
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University: P. J.	. Šafárik Univers	sity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚG POL1/18	E/ Course name: Political geography and geopolitics						
Course type, sc Course type: I Recommended Per week: 1/2 Course metho	ope and the met Lecture / Practice d course-load (h 2 Per study peri d: present	thod: ours): od: 14 / 28					
Number of EC	FS 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 assessment Total number of assessed students: 341							
А	A B C D E FX						
43.4 31.96 15.54 6.74 2.05 0.29							
Provides: RNDr. Stela Csachová, PhD., doc. Mgr. Ladislav Novotný, PhD.							
Date of last modification: 12.09.2020							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J	University: P. J. Šafárik University in Košice						
Faculty: Facult	Faculty: Faculty of Science						
Course ID: ÚG GOBY/21	Course ID: ÚGE/ Course name: Population Geography GOBY/21						
Course type, sc Course type: 1 Recommended Per week: 2/2 Course metho	ope and the met Lecture / Practice d course-load (h 2 Per study period: d: present	thod: ours): od: 28 / 28					
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 assessm Total number of	ent f assessed studen	ts: 79					
А	В	С	D	Е	FX		
6.33	6.33 5.06 26.58 37.97 20.25 3.8						
Provides: doc.] docentka	Mgr. Ladislav No	ovotný, PhD., RN	NDr. Janetta Nest	orová-Dická, Phľ	D., univerzitná		
Date of last modification: 19.02.2024							
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/ PVS/18	GE/ Course name: Population growth in 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 ECTS cr	edits: 5						
Recommended seme	ster/trimester of the course: 4.						
Course level: I.							
Prerequisities:							
The evaluation of study control during the tent type of continuous of and successful solution conditions, i. e. comp in addition will not so (oral/written). If the so form. If a student door has to take both form	dent's performance is implemented through a combination of current, random m and the examination part within a particular period of the semester. This control includes at least 80% of students' active participation in teaching ons of given assignments. If a student does not follow and fullfil these two ulsory active learning part of the course, together with active participation and olve assigned tasks successfully cannot register, assign for the examination student receives more than 51% in the written form may proceed to the oral es not demonstrate particular knowledge during the oral examination student s of the examination once again.						
Learning outcomes: The Student shall acq	Learning outcomes: The Student shall acquires deeper knowledge of the population of Slovakia in terms of time and 3-D.						
Brief outline of the c Development of the migration, the total m internal migration; T Slovakia; The educat status of the population EU in terms of popul Seminars Workshops during the demonstrate the phene	ourse: population and its spatial differentiation, population Dynamics (natural, novement); Reproduction of the population; Migration for work, Foreign and 'he ageing of the population; The specificities of the Roma population in ional structure of the population; Economic, social, according to the marital on structure; Ethnic and religions structure of the population ; Slovakia in the ation processes; The demographic future of Slovakia. e semester are focused on filling the solution of tasks in order to practice or omena studied in the different regional units.						
Recommended litera	ature:						
Course language:							
Notes:							

Course assessment Total number of assessed students: 155							
A B C D E FX							
54.19	7.1	16.77	9.68	9.68	2.58		
Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka							
Date of last modification: 29.03.2020							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J	University: P. J. Šafárik University in Košice						
Faculty: Facult	Faculty: Faculty of Science						
Course ID: ÚG KMG/17	GE/ Course name: Quantitative Methods in 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	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 assessm Total number of	Course assessment Total number of assessed students: 192						
А	В	С	D	Е	FX		
26.04	26.04 18.23 20.31 18.75 16.67 0.0						
Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Patrícia Gurová							
Date of last modification: 29.03.2020							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J	. Šafárik Univers	ity in Košice					
Faculty: Facult	Faculty: Faculty of Science						
Course ID: ÚG RGEU/17	Course ID: ÚGE/ Course name: Regional Geography of Europe RGEU/17						
Course type, sc Course type: 1 Recommended Per week: 3 / 2 Course metho	cope and the me Lecture / Practice d course-load (h 1 Per study peri d: present	thod: ours): od: 42 / 14					
Number of EC	TS credits: 5						
Recommended	semester/trimes	ster of the cours	e: 5.				
Course level: I.	, II.						
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	omes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number o	Course assessment Total number of assessed students: 188						
А	В	С	D	Е	FX		
12.23	12.23 29.26 40.96 14.89 1.06 1.6						
Provides: RNDr. Stela Csachová, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Patrícia Gurová, Mgr. Marián Kulla, PhD.							
Date of last modification: 27.06.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J	University: P. J. Šafárik University in Košice						
Faculty: Facult	y of Science						
Course ID: ÚG RGE2/21	Ourse ID: ÚGE/ Course name: Regional Geography of Europe GE2/21 GE2/21						
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	on:					
Learning outco	omes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessment Total number of assessed students: 12							
А	В	С	D	Е	FX		
8.33	8.33 33.33 33.33 25.0 0.0 0.0						
Provides: RNDr. Stela Csachová, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka, doc. Mgr. Ladislav Novotný, PhD., doc. RNDr. Ján Kaňuk, PhD.							
Date of last modification: 27.06.2022							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J.	. Šafárik Univers	ity in Košice					
Faculty: Faculty	Faculty: Faculty of Science						
Course ID: ÚG ADPZ/22	Course ID: ÚGE/ Course name: Remote sensing applications						
Course type, sc Course type: I Recommended Per week: 1/2 Course metho	ope and the met Lecture / Practice I course-load (h 2 Per study peri d: present	thod: ours): od: 14 / 28					
Number of EC	IS 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 assessm Total number of	ent f assessed studen	ts: 11					
А	В	С	D	Е	FX		
100.0	100.0 0.0 0.0 0.0 0.0 0.0						
Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Ján Kaňuk, 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. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚTVŠ/ Course name: Seaside Aerobic Exercise ÚTVŠ/CM/13							
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present							
Number of ECTS credits: 2							
Recommended semester/trimester of the course:							
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- aerobics, water exercise, yoga, Pilates and others							
Learning outcomes: Content standard: The student demonstrates relevant knowledge and skills in the field, which content is defined in the course syllabus and recommended literature. Performance standard: Upon completion of the course students are able to meet the performance standard and: - perform basic aerobics steps and basics of health exercises, - conduct verbal and non-verbal communication with clients during exercise, - organise and manage the process of physical recreation in leisure time							
Brief outline of the course: Brief outline of the course: 1. Basic aerobics – low impact aerobics, high impact aerobics, basic steps and cuing 2. Basics of aqua fitness 3. Basics of Pilates 4. Health exercises 5. Bodyweight exercises 6. Swimming 7. Relaxing yoga exercises 8. Power yoga 9. Yoga relaxation 10. Final assessment Students can engage in different sport activities offered by the sea resort – swimming, rafting, volleyball, football, table tennis, tennis and other water sports in particular.							
Recommended literature: 1. BUZKOVÁ, K. 2006. Fitness jóga. Praha: Grada. 167 s.							

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

Faculty: Faculty of Science
Course ID: ÚGE/ Course name: Seminar for Bachelor Thesis I. SBP1/13 Course name: Seminar for Bachelor Thesis I.
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present
Number of ECTS credits: 2
Recommended semester/trimester of the course: 5.
Course level: I.
Prerequisities:
Conditions for course completion: Verification of acquired basic methodologic and formal procedures of the final thesis creation by presentation (70% of rating) and written examination (30%). To obtain A grade, weighted average of the both parts of examination must reach at least 90%, To obtain B it is 80%, for C it is 70%, for D 60% and for E 50%. Credits shall not be granted to a student who obtain less than 50% from any of both parts of examination.
Learning outcomes: Mastering basic theoretical, methodological and formal scientific procedures of bachelor thesis creation.
Brief outline of the course: The content and form of selected parts of thesis writing (abstract, introduction, conclusion, etc.) Ethics and culture of writing diploma thesis, citations and references, types of sources (printed, electronic, etc.). Formal aspects of the thesis. Linguistic adjustment (terminology, stylistics, syntax, grammar, typography). Rules of presentation of the thesis. Presentation of current results and state of diploma thesis.
Recommended literature:ÚTVAR REKTORA UPJŠ 2019: Základné usmernenia a dokumenty k záverečným prácam na UPJŠ v Košiciach. Dostupné na: <a "="" geografia.science.upjs.sk="" href="https://www.upjs.sk/pracoviska/univerzitna-kniznica/
zaverecne-prace/>.
ÚSTAV GEOGRAFIE PF UPJŠ 2019: Pokyny na tvorbu záverečných prác na Ústave gego-rafie
Prírodovedeckej fakulty UPJŠ v Košiciach. Dostupné na: https://geografia Prírodovedeckej fakulty UPJŠ v Košiciach. Dostupné na: https://geografia.science.upjs.sk/ images/studium/Pokyny_ZP_UGE_2019.pdf>.HOVORKA, D., KOMÁREK, K., CHRAPAN, J. 2011: Ako písať a komunikovať. Martin (Vydavateľstvo Osveta).KATUŠČÁK, D. 2008: Ako písať záverečné a kvalifikačné práce. Nitra (Enigma).
Course language: Slovak
Notes:

Course assessment							
Iotal number o	f assessed studen	ts: 448			-		
A B C D E FX							
91.96 6.7 0.67 0.0 0.67 0.0							
Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. Mgr. Ladislav Novotný, PhD.							
Date of last modification: 22.09.2020							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG SBP2/13	Course ID: ÚGE/ Course name: Seminar for Bachelor Thesis II. SBP2/13				
Course type, so Course type: 1 Recommended Per week: 2 P Course metho	cope and the met Practice d course-load (h er study period: d: present	thod: ours): 28			
Number of EC	TS credits: 2				
Recommended	semester/trimes	ster of the cours	e: 6.		
Course level: I.					
Prerequisities:					
Conditions for Verification of a the presentation To obtain A gra 80%, for C it is rating less than	course completi acquired methodo n of current thesis ade, the rating os 70%, for D 60% 50%.	on: ological and form creation by pres student's presen and for E 50%. C	al procedures of entation of own tation must reac redits shall not b	The creation of bachelor thesis (bachelor thesis (th at least 90%, 7 be granted to a stu	achelor thesis by 100% of rating). To obtain B it is ident who obtain
Learning outco Acquired skills thesis creation.	to apply theoret	ical, methodolog	ical and formal	scientific proced	lures of diploma
Brief outline of The seminary is their thesis, its	the course: focused to the to content and its pa	pics of individua articular parts. Ea	l bachelor thesis ch bachelor thes	. Students presen sis is discussed a	t current state of t scientific level.
Recommended HOVORKA, D (Vydavateľstvo KATUŠČÁK, I ÚTVAR REKT <http: td="" www.up<=""><td>literature: ., KOMÁREK, F Osveta), 247 s. D. 2008: Ako písa ORA UPJŠ (201 vjs.sk/public/med</td><td>K., CHRAPAN, J ať záverečné a kv 1): Smernica č. 1 ia/2438/smernica</td><td>. 2011: Ako písa valifikačné práce /2011, Dostupné i-1-2011.pdf>, 2</td><td>uť a komunikovat e. Nitra (Enigma) é na internete: 5 s.</td><td>ř. Martin , 162 s.</td></http:>	literature: ., KOMÁREK, F Osveta), 247 s. D. 2008: Ako písa ORA UPJŠ (201 vjs.sk/public/med	K., CHRAPAN, J ať záverečné a kv 1): Smernica č. 1 ia/2438/smernica	. 2011: Ako písa valifikačné práce /2011, Dostupné i-1-2011.pdf>, 2	uť a komunikovat e. Nitra (Enigma) é na internete: 5 s.	ř. Martin , 162 s.
Course langua Slovak	ge:				
Notes:					
Course assessn Total number o	nent f assessed studen	ts: 391			
А	В	С	D	Е	FX
69.57	21.48	7.67	0.51	0.26	0.51
Provides: prof. Onačillová, PhD	Mgr. Jaroslav Ho).	ofierka, PhD., doo	c. Mgr. Ladislav	Novotný, PhD.,	Mgr. Katarína

Date of last modification: 03.05.2015

University: P J Šafá	rik University in Košice					
Eacultur Eccultur of S	Eaculty: Eaculty of Science					
Faculty: Faculty of S						
Course ID: UGE/ SHG/21	Course name: Seminar of	human 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	stau/twimester of the source	~~ (
Recommended seme	ster/trimester of the cours					
Course level: 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: 10					
	abs	n				
	90.0 10.0					
Provides: Mgr. Marián Kulla, PhD., RNDr. Stela Csachová, PhD., RNDr. Janetta Nestorová- Dická, PhD., univerzitná docentka, 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: ÚGE/ SFG/21	Course name: Seminar o	f 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		
Number of ECTS cr	edits: 3		
Recommended seme	ster/trimester of the cour	se: 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: 0		
	abs	n	
0.0 0.0			
Provides: RNDr. Duš PhD., univerzitná doc	an Barabas, CSc., doc. Ing entka	. Katarína Bónová, PhD., RNDr. Alena Gessert,	
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 assessment Total number of assessed students: 160								
А	В	B C D E FX						
41.88	41.88 21.25 12.5 10.63 12.5 1.25							
Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka								
Date of last modification: 30.09.2021								
Approved: pro	f. Mgr. Jaroslav H	Iofierka, PhD.						

University, D I	Šafárik Univers	ity in Kočico			
University: P. J.					
Faculty: Faculty	v of Science				
Course ID: ÚG PED/07	E/ Course na	me: Soil science	and soil geogra	phy	
Course type, sco Course type: L Recommended Per week: 2 / 1 Course method	ope and the met ecture / Practice l course-load (h Per study perio l: present	thod: ours): od: 28 / 14			
Number of ECT	S credits: 5				
Recommended	semester/trimes	ster of the cours	e: 3.		
Course level: I.					
Prerequisities:					
Conditions for o	course completi	on:			
Learning outco	mes:				
Brief outline of In the lecture of will be treated a of different soil	the course: soil science and s well as actual types in the wor	soil geography, v and presently us ld and Slovakia,	ve presently physed systems of the principles of the	sical and chemic e soil classificat soil zonality.	al nature of soils ion. Distribution
Recommended Fitzpatrick, E. A Edinburgh, 306 Buol, S. W., Ho University Press	literature: A. 1971: Pedolog p. le, F.D., McCrac s, Ames, 360 pp.	y. A systematic a ken, R.J.1973: S	approach to soil s	science. Oliver a lassification. Th	nd Boyd, e Iowa State
Course languag	e:				
Notes:					
Course assessm Total number of	ent assessed studen	ts: 315			
A	В	С	D	Е	FX
9.21	7.62	18.41	25.71	30.16	8.89
Provides: RND	. Dušan Barabas	, CSc.		<u>.</u>	<u>.</u>
Date of last mo	lification: 13.12	2.2021			
Approved: prof.	. Mgr. Jaroslav H	Iofierka, PhD.			
L					

University: P. J. Šafárik	University in Košice
Faculty: Faculty of Scien	nce
Course ID: ÚTVŠ/ Co TVa/11	ourse name: Sports Activities I.
Course type, scope and Course type: Practice Recommended course- Per week: 2 Per study Course method: preser	the method: -load (hours): period: 28 nt
Number of ECTS credi	ts: 2
Recommended semester	r/trimester of the course: 1.
Course level: I., II.	
Prerequisities:	
Conditions for course c Min. 80% of active parti	ompletion: cipation in classes.
Learning outcomes: Sports activities in all the They have a great impace enables students to stree improve.	Fir forms prepare university students for their professional and personal life. et on physical fitness and performance. Specialization in sports activities ngthen their relationship towards the selected sport in which they also
Brief outline of the cours Brief outline of the cours The Institute of physical activities aerobics; aikid yoga, power yoga, pilat tennis, chess, volleyball, Additionally, the Institu offers winter courses (sl the Tisza River) with an participation.	rse: se: education and sport at the Pavol Jozef Šafárik University offers 20 sports o, basketball, badminton, body-balance, body form, bouldering, floorball, es, swimming, fitness, indoor football, SM system, step aerobics, table tabata, cycling. te of physical education and sport at the Pavol Jozef Šafárik University ki course, survival) and summer courses (aerobics by the sea, rafting on attractive programme, sports competitions with national and international
Recommended literatur BENCE, M. et al. 2005. [online] Dostupné na: ht BUZKOVÁ, K. 2006. F 8024715252. JARKOVSKÁ, H, JARH Grada. ISBN 978802475 KAČÁNI, L. 2002. Futb 8089197027. KRESTA, J. 2009. Futsa LAWRENCE, G. 2019. SNER, Wolfgang. 2004.	 Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. tps://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 itness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN KOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 67308. al:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN I.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.

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

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 15193

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

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

Date of last modification: 07.02.2024

University: P. J. Šafár	rik University in Košice
Faculty: Faculty of Second	cience
Course ID: ÚTVŠ/ TVb/11	Course name: Sports Activities II.
Course type, scope an Course type: Practic Recommended cour Per week: 2 Per stue Course method: pre	nd the method: ee •se-load (hours): dy period: 28 sent
Number of ECTS cro	edits: 2
Recommended semes	ster/trimester of the course: 2.
Course level: I., II.	
Prerequisities:	
Conditions for cours active participation in	e completion: 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 co Brief outline of the co The Institute of physi activities aerobics; ail yoga, power yoga, p tennis, chess, volleyb Additionally, the Inst offers winter courses the Tisza River) with participation.	Durse: Durse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports cido, 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:)5. 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 itsal.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.

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

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 13318

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

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

Date of last modification: 07.02.2024

r	
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 cr	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 physi 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	 ture: D5. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. thtps://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 utsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. O4. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141.

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

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 9100

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

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

Date of last modification: 07.02.2024

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: ÚTVŠ/ TVd/11	e ID: ÚTVŠ/ 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 cro	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. apact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also			
Brief outline of the c Brief outline of the co 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: ccal 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	 Ature: O5. 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 utsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. O4. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141. 			

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

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 5671

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
82.81	0.28	0.04	0.0	0.0	0.0	7.97	8.9

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

Date of last modification: 07.02.2024

University: P. J	University: P. J. Šafárik University in Košice				
Faculty: Facult	Faculty: Faculty of Science				
Course ID: ÚG STMG/21	E/ Course na	Course name: Statistical Methods in 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	FS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: I.					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	Learning outcomes:				
Brief outline of	Brief outline of the course:				
Recommended	Recommended literature:				
Course language:					
Notes:	Notes:				
Course assessment Total number of assessed students: 78					
А	В	С	D	Е	FX
34.62	21.79	12.82	14.1	16.67	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. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: ÚGE/ SVG/04	Course name: Student Scientific Conference in Geography			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present				
Recommended seme	ster/trimester of the cours	e: 6.		
Course level: I., II.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the course: After choosing a topic suggested by supervisors implying a geographical problem, the students will work on the topic, write a thesis and defense it before the committee.				
Recommended litera	ture:			
Course language:				
Notes:	Notes:			
Course assessment Total number of assessed students: 11				
	abs n			
100.0 0.0				
Provides: RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., univerzitná docentka, RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, Mgr. Marián Kulla, PhD., doc. Ing. Katarína Bónová, PhD., RNDr. Stela Csachová, PhD.				
Date of last modification: 01.12.2021				
Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J. Safárik 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: se se-load (hours): dy period: 28 sent		
Number of ECTS cro	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 performance paddling	e completion: ful course completion: in line with the study rule of procedure and course guidelines ce of all tasks: carrying a canoe, entering and exiting a canoe, righting a canoe,		
Learning outcomes: Content standard: The student demonstr course syllabus and re Performance standard Upon completion of t - implement the acqui - implement basic ski - determine the right s - prepare a suitable m	ates relevant knowledge and skills in the field, which content is defined in the ecommended literature. I: the course students are able to meet the performance standard and: ired knowledge in different situations and practice, lls to manipulate a canoe on a waterway, spot for camping, aterial and equipment for camping.		
Brief outline of the constraints of the constraints of the constraint of the constraints of the constraint of the constraints. Setting up a crew 4. Practical skills traints 5. Canoe lifting and constraints of the canoe lifting the canoe in the canoe in the canoe in the canoe of the pry stroke (on b) The draw stroke in the canoe of the canoe	burse: purse: iculty of waterways ting ning 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 príroc 8080680973. Internetové zdroje: 1. STEJSKAL, T. Vodná turistika. Prešov: PU Dostupné na: https://ulozto.sk/tamhle/UkyxQ2 ZGDjBGR2AQtkAzVkAzLkLJWuLwWxZ2u	le. Prešov: FHPV PU v Prešove. 2002. ISBN v Prešove. 1999. IYF8qh/name/Nahrane-7-5-2021-v-14-46-39#! kBRLjnGqSomICMmOyZN==		
Course language: Slovak language			
Notes:			
Course assessment Total number of assessed students: 209			
abs	n		
37.32 62.68			
Provides: Mgr. Dávid Kaško, PhD.			
Date of last modification: 29.03.2022			
Approved: prof. Mgr. Jaroslav Hofierka, PhD.			

University: P. J. Safárik University in Košice				
Faculty: Faculty of Science				
Course ID: ÚTVŠ/ KP/12	Course name: Survival Course			
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: 2			
Recommended seme	ster/trimester of the course:			
Course level: I., II.				
Prerequisities:				
Conditions for course 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 survit - be able to resist a environment, - be able implement children and youth w	se completion: in line with the study rule of procedure and course guidelines, ice 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 is the acquired knowledge as an instructor during summer sport camps for ithin recreational sport.			
 Brief outline of the c Brief outline of the c 1. Principles of condu 2. Preparation and gu 3. Objective and subj 4. Principles of hygie 5. Fire building 6. Movement in the u 7. Shelters 8. Food preparation a 9. Rappelling, Tyrolia 10. Transport of an ir 	course: ourse: uct and safety in the movement in unfamiliar natural environment didance of a hike tour fective 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.

n

53.99

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: 439

abs 46.01

Provides: Mgr. Ladislav Kručanica, PhD.

Date of last modification: 16.05.2023

University: P. J. Šafárik University in Košice				
Faculty: Faculty of Science				
Course ID: ÚGE/ TPM/18	Ourse ID: ÚGE/ M/18Course name: Topographic field mapping			
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: 3			
Recommended seme	ster/trimester of the cours	e: 2.		
Course level: I.				
Prerequisities:				
Conditions for cours	se completion:			
Learning outcomes:				
Brief outline of the c	course:			
Recommended litera	ature:			
Course language:	Course language:			
Notes:				
Course assessment Total number of assessed students: 61				
abs n				
98.36 1.64				
Provides: doc. RNDr. Ján Kaňuk, PhD.				
Date of last modification: 21.02.2018				
Approved: prof. Mgr. Jaroslav Hofierka, PhD.				