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University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ DSK/15	Course name: 3D scanning
Course type, scope a Course type: Lectur Recommended cour Per week: 1 / 2 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 14 / 28 esent
Number of ECTS cr	edits: 4
Recommended seme	ster/trimester of the course: 2.
Course level: II.	
Prerequisities:	
Conditions for cours Active participation in Participation in field 1 semestral work bas processing of data fro- data from ground lase 1 written test The content of the con laser scanning. A stu obtained an evaluation the exam. The content of the fin laser scanning. The fin semester work and 1 at least 50 or more ou to the evaluation of the C (70-79 points), D (e completion: n lectures and practicals which includes: works sed on assignments and skills acquired during the practicals focused on the om ground laser scanning, point cloud analysis, evaluation of the quality of er scanning and presentation of results ntinuous assessment is focused on practical skills and calculations in terrestrial ident who has successfully presented the semester work and its results and on at least at the level of grade E (min. 50 points out of 100) can register for al exam is focused on theoretical and methodological aspects of ground-based inal evaluation of the course is the arithmetic average of the evaluation of the final exam. Credits will only be awarded to a student who achieves a value of at of 100 points in each part of the evaluation. The evaluation scheme applies the continuous control and the final exam: A (100-90 points), B (80-89 points), 60-69 points), E (50-59 points), FX (0-49 points).
Learning outcomes: Knowledge: The stud and methodological a of collecting geodata Skills: The student w perform field measur (placement of point specialized software a Competences: The st performing terrestrial point clouds.	ent will gain knowledge of the physical principle of laser scanning, theoretical spects of point cloud processing and analysis, comparison of ground methods (their strengths and weaknesses) with terrestrial laser scanning. vill learn to work with a ground laser scanner, can plan data collection, can rements using a ground laser scanner, can perform primary data processing clouds from individual positions in a common coordinate system) using and can evaluate them quality. udent is able with a high degree of independence to propose a procedure for laser scanning according to defined requirements and evaluate the quality of
Brief outline of the c	ourse:
Recommended litera	iture:

Dúbravčík, M., 2005: Prostriedky digitalizácie. Transfer inovácií [online]. 2005, 8, [cit. 2011-12-07]. Available from: http://www.sjf.tuke.sk/transferinovacii/pages/archiv/ transfer/8-2005/pdf/52-54.pdf, ISBN 80-7093-6. Marshal, G. F., 2004: Handbook of optical and laser scanning. NewYork: Marcel Dekker, 2004, 792p., ISBN 08-247-5569-3. Vosselman, G.& Mass, H. G., 2010: Airborne and terrestrial laser scanning. 1 edition. Boca Raton: CRC Press, 2010. ISBN 978-143-9827-987. Control system - Laserové skenování - geodetické práce [online]. 2010, [cit. 2012-03-11]. Available from: http://www.controlsystem.cz/. Surphaser 3D Scanners [online]. 1995-2011, [cit. 2012-03-11]. Available from: http:// www.surphaser.com/. **Course language:** Slovak Notes: without notices **Course assessment** Total number of assessed students: 79 В С D Е FX А 39.24 21.52 22.78 10.13 5.06 1.27 Provides: doc. RNDr. Ján Kaňuk, PhD. Date of last modification: 22.11.2021 Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J	. Šafárik Univers	sity in Košice					
Faculty: Facult	y of Science						
Course ID: ÚG PSMG/21	GE/ Course name: Advanced Statistical Methods in Geography						
Course type, sc Course type: 1 Recommendee Per week: 1/2 Course metho	cope and the met Lecture / Practice d course-load (h 2 Per study peri d: present	thod: c ours): od: 14 / 28					
Number of EC	TS credits: 3						
Recommended	semester/trimes	ster of the cours	e: 2.				
Course level: II	-						
Prerequisities:							
Conditions for	course completi	ion:					
Learning outco	omes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessm Total number o	Course assessment Total number of assessed students: 7						
А	В	С	D	Е	FX		
85.71	85.71 0.0 0.0 14.29 0.0 0.0						
Provides: doc. Mgr. Michal Gallay, PhD.							
Date of last mo	Date of last modification: 23.11.2021						
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.					

University: P. J	University: P. J. Šafárik University in Košice						
Faculty: Facult	y of Science						
Course ID: ÚG LHS/21	rse ID: ÚGE/ Course name: Aerial laser and hyperspectral scanning						
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present							
Number of EC	I'S credits: 5						
Recommended	semester/trimes	ster of the cours	e: 1.				
Course level: II	-						
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: 14							
А	В	С	D	Е	FX		
92.86	92.86 7.14 0.0 0.0 0.0 0.0						
Provides: doc. Mgr. Michal Gallay, PhD.							
Date of last modification: 22.04.2021							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J. Šafá	rik University in Košice							
Faculty: Faculty of S	Faculty: Faculty of Science							
Course ID: ÚGE/ APG/15	Course name: Applied Geoinformatics							
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent							
Number of ECTS cr	edits: 2							
Recommended seme	ster/trimester of the course: 4.							
Course level: II.								
Prerequisities:								
Active participation of The ongoing evaluat geoinformatics (from discuss with students remote sensing. The the seminars. The fin to the final evaluation (50-59 points), FX (0	within seminars and final professional essay. ion is based on active participation in seminars. Experts from the field of the private, public, but also academic sector) are invited to the seminars and s on predetermined topics in the field of application of geoinformatics and role of students is to prepare for the seminar, to study the issues discussed in al evaluation is based on a professional essay. The evaluation scheme applies n: A (100-90 points), B (80-89 points), C (70-79 points), D (60-69 points), E 0-49 points).							
Learning outcomes: Knowledge: The str and an overview of local governments, a technologies. Skills: The student m professional issues an Competences: The st practice.	udent will gain knowledge in the field of geoinformatics applications the activities of selected subjects (private companies, state institutions, academic institutions), which use spatial data, geoinformatics methods and hainly develops soft skills, such as: presentation skills, the ability to discuss and comment on professional issues in the form of a professional essay. udent is able to independently evaluate the applications of geoinformatics in							
Brief outline of the c Experts from various on their professional be announced to stud	ourse: companies, organizations and institutions are invited to the seminars. Based profile, a program of lectures will be compiled for the semester, which will ents in advance.							
Recommended litera	iture:							
Course language:								
Notes:								

Course assessment Total number of assessed students: 116						
ABCDEFX						
89.66	3.45	6.03	0.86	0.0	0.0	
Provides: doc. RNDr. Ján Kaňuk, PhD.						
Date of last modification: 23.11.2021						
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	BE/ Course 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: 2.			
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	Course assessment Total number of assessed students: 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 modification: 20.02.2023						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG ZTGV/21	Course ID: ÚGE/ Course name: Basics of field geological research ZTGV/21					
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present						
Number of EC	I'S credits: 4					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: II	-					
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessment Total number of assessed students: 0						
А	В	С	D	Е	FX	
0.0 0.0 0.0 0.0 0.0 0.0						
Provides: doc. Ing. Katarína Bónová, PhD., Ing. Ján Bóna						
Date of last modification: 30.09.2021						
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: KPPaPZ/KK/07	Course name: Communication and Cooperation
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent
Number of ECTS cro	edits: 2
Recommended seme	ster/trimester of the course: 3.
Course level: II.	
Prerequisities:	
Conditions for cours Evaluation: A condition for stude student will actively solutions. The output for evalu presentation or a vide Learning outcomes: The goal of the subject	e completion: Int evaluation is his active participation in the seminar. It is expected that the participate in the discussions and will express their positions and possible nation will be the development of a project in the form of a Power Point to on a selected communication topic.
The goal of the subject language and commu The student can dem contexts. The student can de assertiveness, empath The student can apply	nication skills through experiential activities. onstrate an understanding of individual behavior in various communication escribe, explain and evaluate communication techniques (cooperation, ny, negotiation, persuasion) in practical contexts.
Brief outline of the c Communication Communication theor Non-verbal communi Verbal communication about active listening Empathy Short conversation communication) Cooperation About the basics of c About types, signs, ty Characteristics of the Small social group (s individual in the grout	ourse: ry cation and its means n (basic components of communication, language means of communication) and effective communication (principles and principles of effective ooperation /pes and factors of cooperation team (positions in the team) tructure, development, characteristics of a small social group, position of the up)

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

Recommended literature:

Course language:

Notes:

Course assessment

Total number of assessed students: 281

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

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	. Šafárik Univers	ity in Košice					
Faculty: Faculty	y of Science						
Course ID: ÚG KVS/21	Course ID: ÚGE/ Course name: Crises in the world KVS/21						
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present							
Number of EC	I'S credits: 3						
Recommended	semester/trimes	ster of the cours	e: 2.				
Course level: II	•						
Prerequisities:							
Conditions for	course completi	on:					
Learning outco	mes:						
Brief outline of	the course:						
Recommended	literature:						
Course languag	ge:						
Notes:							
Course assessment Total number of assessed students: 4							
А	В	С	D	Е	FX		
100.0	100.0 0.0 0.0 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.							

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG DPO1/21	: ÚGE/ Course name: Diploma Thesis and its Defence				
Course type, sc Course type: Recommended Per week: Per Course metho	ope and the met d course-load (h r study period: d: present	thod: ours):			
Number of EC	IS credits: 16	tou of the course			
Course levels II	semester/trimes	ster of the cours	e:		
Course level: II	•				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 6			
А	В	С	D	Е	FX
33.33	50.0	0.0	0.0	0.0	16.67
Provides:			<u>I</u>	1	L
Date of last mo	dification: 07.12	2.2021			
Approved: prof	?. Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG DSE1/21	E/ Course na	/ Course name: Diploma seminar 1				
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the met Practice d course-load (h er study period: d: present	thod: ours): 28				
Number of EC	FS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 3.			
Course level: II	•					
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:			_		
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ts: 31				
А	В	С	D	Е	FX	
51.61	32.26	16.13	0.0	0.0	0.0	
Provides: prof. Mgr. Jaroslav Hofierka, PhD.						
Date of last mo	dification: 27.06	5.2022				
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG DSE2/21	E/ Course na	/ Course name: Diploma seminar 2				
Course type, sc Course type: I Recommended Per week: 2 Pe Course metho	ope and the met Practice d course-load (h er study period: d: present	thod: ours): 28				
Number of EC	FS credits: 3					
Recommended	semester/trimes	ster of the cours	e: 4.			
Course level: II	-					
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:				_		
Course assessm Total number of	ent f assessed studen	.ts: 29				
А	В	С	D	Е	FX	
58.62	34.48	6.9	0.0	0.0	0.0	
Provides: prof. Mgr. Jaroslav Hofierka, PhD.						
Date of last modification: 27.06.2022						
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	E/ Course n a	Course 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	its: 8				
А	В	С	D	Е	FX	
0.0	50.0	37.5	12.5	0.0	0.0	
Provides: doc. Ing. Katarína Bónová, PhD.						
Date of last modification: 27.06.2022						
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.		_		

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG ZTG/21	E/ Course na	Course name: Fundamentals of tectonic geomorphology			
Course type, sc Course type: 1 Recommended Per week: 1/2 Course metho	cope and the me Lecture / Practice d course-load (h 2 Per study peri d: present	thod: ours): od: 14 / 28			
Number of EC	IS credits: 4				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: II	-				
Prerequisities:					
Conditions for	course completi	ion:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number o	nent f assessed studen	its: 0			
А	В	С	D	Е	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. Mgr. Michal Gallay, PhD., Ing. Ján Bóna					
Date of last modification: 30.09.2021					
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J. Šafárik University in Košic	e			
Faculty: Faculty of Science				
Course ID: ÚGE/ TMK/15Course name: Generation of 3D landscape models				
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	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: II.

Prerequisities:

Conditions for course completion:

During the semester, it will be necessary to pass on the results of the practicals. The final evaluation is based on the final presentation of the semestral assignment.

The condition for passing the course is active participation in practicals, handing over the results of practicals and presentation of the final semestral work.

The results of the practicals are evaluated by the system - passed / failed. The semestral work is focused on the ability to independently propose a project focused on the creation of 3D landscape models (selection of methods for data collection and creation of 3D landscape models, evaluation of data quality and final presentation of results).

The evaluation scheme applies to the final evaluation: A (100-90 points), B (80-89 points), C (70-79 points), D (60-69 points), E (50-59 points), FX (0 -49 points). Credits will not be awarded to a student who does not pass one or more outputs from the exercises or obtains less than 50 points out of 100 from the final test.

Learning outcomes:

Knowledge: The student will gain knowledge in the field of generation 3D landscape models, get acquainted with professional terminology, can evaluate the quality of 3D data.

Skills: The student will learn to work with different types of 3D data, perform data filtering based on selected criteria, create different types of 3D models in different levels of detail, visualize 3D data through web tools.

Competences: The student is able with a high degree of independence to design a procedure for creating 3D landscape models based on defined requirements and evaluate the quality of 3D landscape models and assess their suitability for the needs of spatial analysis and modeling of various 3D phenomena.

Brief outline of the course:

City GML concept, methods of collection of 3-D geospatial data, processing of 3D data and generation of virtual 3D city model, interoperability of 3D data and migration of 3D data from CAD to GIS environment, applications of 3D city models and modelling of 3D landscape phenomena, 3D cadaster.

Recommended literature:

ROBINSON, A. H. et al. 1995: Elements of Cartography. Wiley & sons. 674 s.

ArcGIS10Web Help. ArcGISResource Center. Environmental Research Institute. Dostupné na: http://help.arcgis.com/en/arcgisdesktop/10.0/help/index.html LONGLEY, P. A., GOODCHILD, M. F., MAGUIRE, D. J., RHIND, D. W. 2001: Geographic Information Systems and Science. John Wiley & Sons. VOSSELMAN, G., DIJKMAN, D. (2001): 3D building model reconstruction from point clouds and ground plans. In International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, volume 34, part 3/W4, pages 37-43, Annapolis, MA, USA, 2001. **Course language:** Notes: **Course assessment** Total number of assessed students: 60 А В С D Е FX

 100.0
 0.0
 0.0
 0.0
 0.0
 0.0

 Provides: doc. RNDr. Ján Kaňuk, PhD.
 Date of last modification: 22.11.2021
 Date of

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG GEE/21	E/ Course na	/ Course name: Geoecology			
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	I'S credits: 5				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: II					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 10			
А	В	С	D	Е	FX
20.0	30.0	20.0	20.0	10.0	0.0
Provides: RNDr. Dušan Barabas, CSc., doc. Mgr. Michal Gallay, PhD.					
Date of last modification: 24.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG GGOI/16	E/ Course na	Course name: Geography and Geoinformatics			
Course type, sc Course type: Recommended Per week: Per Course metho	ope and the met d course-load (h r study period: d: present	thod: ours):			
Number of EC	IS credits: 4				
Recommended	semester/trimes	ster of the cours	e:		
Course level: 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	nent f assessed studen	ts: 85			
А	В	С	D	Е	FX
23.53	40.0	21.18	10.59	4.71	0.0
Provides:	<u> </u>				
Date of last mo	dification: 20.02	2.2023			
Approved: prof	f. Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG GVS/21	E/ Course na	Course name: Geography of Public Administration			
Course type, so Course type: Recommender Per week: 2 / Course metho	cope and the me Lecture / Practice d course-load (h 1 Per study peri od: present	thod: e ours): od: 28 / 14			
Number of EC	TS credits: 4				
Recommended	semester/trimes	ster of the cours	e: 1.		
Course level: I	[
Prerequisities:					
Conditions for	course completi	ion:			
Learning outco	omes:				
Brief outline of	f the course:				
Recommended	literature:				
Course langua	ge:				
Notes:					
Course assessn Total number o	nent f assessed studen	its: 7			
А	В	С	D	Е	FX
57.14	28.57	14.29	0.0	0.0	0.0
Provides: RNDr. Stela Csachová, PhD., doc. Mgr. Ladislav Novotný, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka					
Date of last modification: 01.10.2021					
Approved: prot	f. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J.	. Šafárik Univers	sity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG GCR1/21	E/ Course na	/ 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: e ours): od: 28 / 14			
Number of EC	FS credits: 4				
Recommended	semester/trimes	ster of the cours	e: 1.		
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
18.18	18.18	45.45	18.18	0.0	0.0
Provides: Mgr.	Marián Kulla, Pl	nD., doc. Mgr. La	udislav Novotný,	PhD.	1
Date of last mo	dification: 27.06	5.2022			
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG GDL/21	E/ Course na	Course name: Geography of transport and logistics			
Course type, sc Course type: I Recommended Per week: 1 / 1 Course method	ope and the met Lecture / Practice I course-load (h Per study period: present	thod: ours): od: 14 / 14			
Number of EC	FS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 3.		
Course level: II					
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 4			
А	В	С	D	E	FX
75.0	25.0	0.0	0.0	0.0	0.0
Provides: Mgr.	Marián Kulla, Pł	nD., doc. Mgr. La	dislav Novotný	, PhD.	
Date of last mo	dification: 27.06	5.2022			
Approved: prof	² . Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ GNS/15	Course name: Global Navigation Satellite Systems
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 28 / 28 esent
Number of ECTS cr	edits: 5
Recommended seme	ster/trimester of the course: 2.
Course level: II.	
Prerequisities:	
Conditions for cours The evaluation is bas The continuous cont individual work with who obtained the eva weighted average of (maximum 70 %). The grade level of E, i.e. he level of 51 % in the f	be completion: ed on a combination of the continuous control at the exercises and final exam. rol is carried out during the exercises teaching in the form of tasks on the a share of 30 % of the final evaluation. To the final exam can sign student luation at the minimum level of 16 % in the exercise. The resultant rating is a the evaluation from the continuous control (maximum 30 %) and final exam ne credits will be awarded only to student who achieves rating at least at the te achieves the raiting of at least 51 %. achieves the evaluation at the minimum final evaluation.
Learning outcomes: To acquire basic theo systems (GNSS) for a	pretical knowledge and practical experience of the global navigation satellite a data collection methodology for geoinformatics.
Brief outline of the c GNSS in the contex - operating principle surveying GPS techn data. The European so of the system Galileo other GNSS (GLONA	ourse: t of geography and geoinformatics. GNSS, their nature and division. GPS t, the principles and characteristics; structure of GPS and its applications; ology, GPS instrumentation, data collection and transmission observed GPS atellite navigation system Galileo; positioning, navigation and timing services b; Galileo infrastructure; structure and applications of Galileo. Overview of ASS, BNSS, EGNOS, WAAS, MSAS, QZSS, IRNSS etc.).
Recommended litera DODEL, H., H. HÄU London-New York: S KAPLAN, E.D., HEO Artech House. 993p. GROVES, P., 2008. I London: Artech Hous HOFMANN-WELLI Navigation Satellite S eBook ISBN 978-3-2	 Iture: JPLER, H., 2009. Satellitennavigation. 1st edition. Heidelberg-Dordecht- bpringer, 548p. ISBN 978-3-540-79446-1. GARTY, Ch.J., 2017. Understanding GPS/GNSS. 3rd ed. Boston/London: ISBN 978-1-63081-058-0. Principles of GNSS: Inertial and Multisensor Integrated Navigation Systems. se, 536p. ISBN 9781580532556. ENHOF, B., H. LICHTENEGGER and E. WASLE, 2008. GNSS – Global Systems: GPS, GLONASS, Galileo, and more. Wien: Springer-Verlag, 518p. 211-73017-1, Softcover ISBN 978-3-211-73012-6.

LEICK, A., 1995: GPS Satellite Surveying. 2nd ed. New York: John Wiley & Sons, Inc., 560p. ISBN 0-471-30626-6.

LEICK, A., L. RAPOPORT, D. TATARNIKOV, 2015. GPS Satellite Surveying. 4th ed. 840p., Hoboken: John Wiley & Sons. ISBN 978-1-118-67557-1.

SEDLÁK, V., P. LOŠONCZI a I. PODLESNÁ, 2009: Družicové navigačné systémy. (in Slovak). [Satellite navigation systems]. Košice: VŠBM Košice, 75p. ISBN 978-80-89282-31-9.

SEDLÁK, V. a P. Lošonczi, 2011. Družicové navigačné systémy a ich bezpečnostné aplikácie. (in Slovak) [Satellite navigation systems and their security applications]. Košice: VŠBM Košice, 120p. ISBN 978-80-89282-66-1.

SEDLÁK, V., 2012. Globálne navigačné satelitné systémy pre bezpečnostný manažment. (in Slovak) [Satellite navigation systems for security management]. Košice: VŠBM Košice, 126p. ISBN 978-80-89282-83-8.

SEDLÁK, V., 2017. Globálne navigačné satelitné systémy. (in Slovak) [Global navigation satellite systems]. Košice: Univerzita Pavla Jozefa Šafárika v Košiciach, 157p. ISBN 978-80-8152-554-4. Available at: https://unibook.upjs.sk/sk/geografia/899-globalne-navigacne-

satelitne-systemy;

http://geografia.science.upjs.sk/index.php/study/ucebnice-skripta-studijne-materialy SEDLÁK, V., 2019. Globálne navigačné satelitné systémy pre geoinformatiku. (in Slovak) [Global navigation satellite systems for geoinformatics]. Košice: Univerzita P. J. Šafárika v Košiciach, ISBN 978-80-8152-770-8.

TEUNISSEN, P.J.G., O. MONTENBRUCK, 2017. Handbook of Global Navigation Satellite Systems. 1328p., Cham: Springer. ISBN 978-3-319-42926-7.

GEO INFORMATICS Journal, Vol. 2008-present.

Course language:

Slovak

Notes:

without notes

Course assessment

Total number of assessed students: 98

А	В	С	D	Е	FX
74.49	18.37	6.12	1.02	0.0	0.0

Provides: doc. RNDr. Ján Kaňuk, PhD., Mgr. Katarína Onačillová, PhD.

Date of last modification: 19.08.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

University: P. J.	University: P. J. Šafárik University in Košice					
Faculty: Faculty	y of Science					
Course ID: ÚG GLO/21	E/ Course na	E/ Course name: Globalization				
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present						
Number of EC	I'S credits: 2					
Recommended	semester/trimes	ster of the cours	e: 4.			
Course level: II	•					
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	Course assessment Total number of assessed students: 5					
А	В	С	D	Е	FX	
40.0	20.0	40.0	0.0	0.0	0.0	
Provides: doc. Mgr. Ladislav Novotný, PhD.						
Date of last modification: 22.04.2021						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J.	University: P. J. Šafárik University in Košice					
Faculty: Faculty	Faculty: Faculty of Science					
Course ID: ÚG ISU/21	E/ Course n a	Course name: Information systems on territory				
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	IS credits: 5					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: II	-					
Prerequisities:						
Conditions for	course completi	ion:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ts: 11				
А	В	С	D	Е	FX	
45.45	54.55	0.0	0.0	0.0	0.0	
Provides: prof. Mgr. Jaroslav Hofierka, PhD.						
Date of last modification: 22.04.2021						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG ZAE2/18	E/ Course na	E/ Course name: International Excursion 2				
Course type, sc Course type: I Recommended Per week: Per Course metho	Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 10d Course method: present					
Number of EC	TS credits: 5					
Recommended	semester/trimes	ster of the cours	e: 2.			
Course level: II	•					
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	mes:					
Brief outline of	the course:					
Recommended	literature:			_		
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	its: 50				
А	В	С	D	Е	FX	
42.0	18.0	16.0	16.0	8.0	0.0	
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Marián Kulla, PhD.						
Date of last modification: 27.06.2022						
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG KVA1/21	E/ Course na	E/ Course name: Landscape in the Quarternary				
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present						
Number of EC	FS credits: 5					
Recommended	semester/trimes	ster of the cours	e: 1.			
Course level: II	- 					
Prerequisities:						
Conditions for	course completi	on:				
Learning outco	omes:					
Brief outline of	the course:					
Recommended	literature:					
Course languag	ge:					
Notes:						
Course assessm Total number of	ent f assessed studen	ıts: 17				
А	В	С	D	Е	FX	
41.18	35.29	23.53	0.0	0.0	0.0	
Provides: doc. Ing. Katarína Bónová, PhD., doc. Mgr. Michal Gallay, PhD.						
Date of last modification: 27.06.2022						
Approved: prof	f. Mgr. Jaroslav H	Hofierka, PhD.				

University: P. J. Šafárik University in Košice							
Faculty: Faculty of Science							
Course ID: ÚGE/ KEP/08	Course name: Landscape-ecological planning						
Course type, scop Course type: Lea Recommended o Per week: 2 / 1 H Course method:	Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14						
Number of ECTS	S credits: 5						
Recommended se	emester/trimes	ster of the cours	e: 3.				
Course level: II.							
Prerequisities:							
Conditions for co	ourse completi	on:					
Learning outcom	es:						
Brief outline of the Landscape planni landscape process the landscape plan its future evolutio	Brief outline of the course: Landscape planning optimalizes econimic use of the landscape by keeping autoregulation of the landscape processes. Analysis of the landscape and synthesis of the information is main approach of the landscape planning. The aim is to understand the present structure of the landscape and predict its future evolution by analysing inputs and outputs into the landscape system.						
Recommended literature:							
Course language:	:						
Notes:							
Course assessmen Total number of a	Course assessment Total number of assessed students: 150						
A	В	С	D	Е	FX		
5.33	16.67	24.67	26.67	26.0	0.67		
Provides: RNDr. Dušan Barabas, CSc., doc. Mgr. Michal Gallay, PhD.							
Date of last modification: 24.09.2021							
Approved: prof. N	Mgr. Jaroslav H	Iofierka, PhD.					

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: KF/ FMPV/22	Course name: Methodology of Science 1
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
Number of ECTS cr	edits: 2
Recommended seme	ster/trimester of the course:
Course level: II.	
Prerequisities:	
Conditions for cours Attendance: A studen than one seminar mus final control: during ther her activity. To be aw lectures and seminars	e completion: at may have one unexcused absence in seminar at the most. Absence in more at be reasoned and substituted by consultations. Conditions of continuous and the semester a student is continuously checked and assessed according to his/ varded the credits, a student must pass a test from knowledge obtained in the b. Results of the test will make up the final grade.
Learning outcomes: The course is aimed science. Significant p science in the 20th cer	at getting familiar with the basic issues of methodology and philosophy of part will be devoted to presenting the main concepts of the philosophy of ntury and this aim will be achieved by reading the source and interpretive texts.
Brief outline of the c Falsificationism and Development and cu Understanding the s Methodology of sci Methodological ana W.V.O. Quine – the	ourse: I critical realism by K. R. Popper. ritique of the Popper's concept. science development in the work by T. S. Kuhn. entific research programmes of I. Lakatos. rchism of P. Feyerabend. issue of relation between theory and empiricism.
Recommended litera BILASOVÁ, V. – AN FAJKUS, B.: Filosoff BEDNÁRIKOVÁ, M DÉMUTH, A. Filozo FEYERABEND, P.: I KUHN, T. S.: Štruktú	 Iture: NDREANSKÝ, E.: Epistemológia a metodológia vedy. Prešov: FF PU 2007. ie a metodologie vědy. Praha: Academia 2005. I. Úvod do metodológie vied. Trnavská univerzita: Trnava 2013. fické aspekty dejín vedy. Trnavská univerzita: Trnava 2013. Proti metodě. Prel. J. Fiala. Praha: Aurora 2001. ira vedeckých revolúcií. Prel. Ľ. Valentová. Bratislava 1982.
Course language: Slovak	
Notes:	

Course assessment						
Total number o	i assesseu studen	18.0		· · · · · · · · · · · · · · · · · · ·		
А	В	С	D	E	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides: prof. PhDr. Eugen Andreanský, PhD.						
Date of last modification: 01.02.2022						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J.	Šafárik Univers	sity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG MLK/21	E/ Course na	ame: Migration a	nd human capita	1	
Course type, sc Course type: L Recommended Per week: 1 / 1 Course method	ope and the met Lecture / Practice I course-load (h Per study peri d: present	thod: c ours): od: 14 / 14			
Number of EC	FS credits: 3				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: II	•				
Prerequisities:					
Conditions for a	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 10			
А	В	С	D	E	FX
20.0	50.0	30.0	0.0	0.0	0.0
Provides: Mgr. Loránt Pregi, PhD., doc. Mgr. Ladislav Novotný, PhD.					
Date of last mo	dification: 27.06	5.2022			
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.			

University: P. J. Šafán	ik University in Košice
Faculty: Faculty of So	cience
Course ID: ÚGE/ PHR/11	Course name: Natural hazards and risks
Course type, scope an Course type: Lectur Recommended cour Per week: 2 / 1 Per s Course method: pre	nd the method: e / Practice rse-load (hours): study period: 28 / 14 sent
Number of ECTS cre	edits: 4
Recommended semes	ster/trimester of the course: 3.
Course level: II.	
Prerequisities:	
Conditions for course A student has to comp and two partial works to the total exam poin 100%). The student n will be teached also b	e completion: bile one semestral work with a submition in the last semester week (20 poins) (10 points) during the semester. The semestral work will be counted as 20% ts. The written exam will count together with semestral work points (together nanaged successfully the exam if he has more than 51% in total. The subject y the distance forms.
Learning outcomes: After this subject grac that influence human should know all diffe studies. At the same time, he of natural threats in m model crisis situation data.	duation the student should to be fammiliar with all important natural hazards, beying and consequences huge economic and social damage. The student rent origin factors and should be able to evaluate model situation and case will acquire practical skills in working with GIS in modeling and evaluation odel areas, acquire communication skills in working with a partner in solving s and will work with various databases of highly up-to-date information and
Brief outline of the co The subject deals with and volcanism, relief with other types of hat foods, avalanches and but not well known - term period and impo During the semester w 1. main terms, tektoni 2. earthquakes and set 3. tsunami as a natura 4. volcanoes and volc 5. Water and wind erc 6. Landslides and othe 7. Subsidence, karstif	hazards and risk as f.e. earthquakes and secondar hazards, tsunami, volcanoes forms, volcanic hazards and case studies. In next semester weeks we are deals zards that are typical for Slovakia also, landslides, rock collapses, subsidence, l collapses in karstic or non-karstic areas. Many hazards are really important so we are talking about soil hazards (devaluation and erosion) also. In long rtance for human beying these hazards are the most important. we will pay attention on these topics: c movements condary hazards l hazards and risk for a human anism, relief forms, volcanic hazards and case studies osion er dynamic processes institution of sediments
8. Avalanches

9. Floods as an very important hazard for human settlements

10. Natural fires

11. Atmospheric natural hazards and classification

12. Huricanes

Recommended literature:

DRDOŠ, J., 1992: Prírodné prostredie: zdroje – potenciály – únosnosť – hazardy – riziká. Geografický časopis, 44, 1, 30-39.

GOVORUSHKO, S., M., 2011: Natural Processes and Human Impacts. Springer. 653 s.

HYNDMAN, D., HYNDMAN, D., 2011: Natura Hazards and Disasters. Brooks-Cole. Canada. 572 s.

ONDRÁŠIK, R., VLČKO, J., FENDEKOVÁ, M., 2011: Geologické hazardy a ich prevencia. Prírodovedecká fakulta, UK Bratislava. 288 s.

REICHARD, S., J., 2011: Environmental geology. McGraw-hill, New York. 545 s.

TRIZNA, M., 1994: Hydrologické aspekty hodnotenia povodňovej hrozby (na príklade toku Žarnovica). AFRNUC, Geographica 35, 85-94.

Internetové zdroje:

www.nat-hazards-earth-syst-sci.net

www.oas.org/usde/publications/classifications/publicationsnh.htm

www.usgs.gov

Course language:

slovak

Notes:

Course assessment

Total number of assessed students: 162

А	В	С	D	Е	FX
23.46	29.63	25.93	15.43	3.7	1.85

Provides: RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Imrich Sládek, PhD., Mgr. Jozef Šupinský, PhD., doc. Ing. Katarína Bónová, PhD.

Date of last modification: 24.11.2021

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: KF/ FILA/22	Course name: Philosophical Antropology				
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: 2				
Recommended	semester/trimes	ster of the cours	e:		
Course level: II	•				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	Course assessment Total number of assessed students: 0				
А	В	С	D	Е	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. PhDr. Kristína Bosáková, PhD.					
Date of last modification: 01.02.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG PVS/21	E/ Course na	Course name: Population Studies of Slovakia			
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: 4				
Recommended	semester/trimes	ster of the cours	e: 1.		
Course level: II	-				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number o	ent f assessed studen	ts: 1			
А	В	С	D	Е	FX
0.0	0.0	100.0	0.0	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka					
Date of last modification: 27.06.2022					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of S	cience		
Course ID: ÚGE/ OPX/15	ourse ID: ÚGE/ Course name: Professional Internship		
Course type, scope a Course type: Practic Recommended cour Per week: Per stud Course method: pre	nd the method: ce rse-load (hours): y period: 10d esent		
Number of ECTS cr	edits: 4		
Recommended seme	ster/trimester of the cours	2:3.	
Course level: II.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asses	ssed students: 252		
	abs	n	
	100.0 0.0		
Provides: prof. Mgr.	Jaroslav Hofierka, PhD., Mg	r. Marián Kulla, PhD.	
Date of last modifica	tion: 03.05.2015		
Approved: prof. Mgr	. Jaroslav Hofierka, PhD.		

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG PPG/15	E/ Course na	Course name: Prognostics and prognosis			
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 period: present	thod: ours): od: 28 / 14			
Number of EC	rs credits: 4				
Recommended	semester/trimes	ster of the cours	e: 3.		
Course level: II	-				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 150			
А	В	С	D	E	FX
29.33	25.33	32.0	8.0	4.0	1.33
Provides: RND: Hofierka, PhD.	r. Janetta Nestoro	ová-Dická, PhD.,	univerzitná doc	entka, prof. Mgr.	Jaroslav
Date of last modification: 30.09.2021					
Approved: prof	Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J.	. Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG RDPZ/22	E/ Course na	Course name: Radar remote sensing with applications			
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: 3				
Recommended	semester/trimes	ster of the cours	e: 3.		
Course level: II	-				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ıts: 6			
А	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. Mgr. Michal Gallay, PhD., Mgr. Katarína Onačillová, PhD.					
Date of last modification: 27.03.2022					
Approved: prof	. Mgr. Jaroslav H	Hofierka, PhD.		_	

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science	-			
Course ID: ÚG AFAU/21	E/ Course na	Course name: Regional Geography of Africa and Australia			
Course type, sc Course type: 1 Recommended Per week: 2 / 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	TS credits: 4				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: II	-				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	omes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	Course assessment Total number of assessed students: 39				
А	В	С	D	Е	FX
30.77	25.64	33.33	7.69	2.56	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 14.07.2022					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J	. Šafárik Univers	ity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG AZG/21	E/ Course na	C/ Course name: Regional Geography of Asia			
Course type, sc Course type: I Recommended Per week: 2 / 1 Course metho	ope and the met Lecture / Practice I course-load (h I 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: 1.		
Course level: II	•				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	Course assessment Total number of assessed students: 55				
А	В	С	D	Е	FX
36.36	27.27	29.09	7.27	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 27.06.2022					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	y of Science				
Course ID: ÚG RRT1/21	E/ Course na	Course name: Regional Geography, Regionalization and Taxonomy			
Course type, sc Course type: I Recommended Per week: 1 / 1 Course method	ope and the met Lecture / Practice I course-load (h Per study peri d: present	thod: ours): od: 14 / 14			
Number of EC	I'S credits: 4				
Recommended	semester/trimes	ster of the cours	e: 1.		
Course level: II	-				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	ts: 14			
A	В	С	D	Е	FX
21.43	21.43	35.71	21.43	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 22.04.2021					
Approved: prof	[°] . Mgr. Jaroslav H	Iofierka, PhD.			

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG RSS/21	E/ Course na	Course name: Regional Structure of Slovakia			
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: II	- -				
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: 1					
А	В	С	D	Е	FX
0.0	0.0	0.0	100.0	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Marián Kulla, PhD., RNDr. Janetta Nestorová- Dická, PhD., univerzitná docentka					
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 AMG/21	E/ Course na	C/ Course name: Regional geography of America			
Course type, sc Course type: I Recommended Per week: 2 / 1 Course metho	ope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: c ours): od: 28 / 14			
Number of EC	IS credits: 4		2		
Recommended	semester/trimes	ster of the cours	e: 3.		
Course level: II	•				
Prerequisities:					
Conditions for	course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent f assessed studen	its: 38			
А	В	С	D	Е	FX
23.68	28.95	28.95	15.79	2.63	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 27.06.2022					
Approved: prof	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚGE/ DPZ/15	Course name: Remote Sensing
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	nd the method: re / Practice rse-load (hours): study period: 28 / 28 esent
Number of ECTS cr	edits: 6
Recommended seme	ster/trimester of the course: 1.
Course level: II.	
Prerequisities:	
Conditions for cours During the semester, assessment is based of required outputs of th a written test and an of at least 80 points to g to get E. The credits s the practicals or he/sh	e completion: students will need to hand in the outputs of the practicals. The resulting on the final exam, which the student can undertake if he/she handed in all the re practical according to the given criteria. The final exam is a combination of oral examination. The student must obtain at least 90 points to get the A mark, get B, at least 70 points to get C, at least 60 points to get D, at least 50 points shall not be granted to a student who does not hand in one or more outputs of ne will get less than 50 points out of 100.
Learning outcomes: The learning outcomes of participation of participation of participation of the processing the remote	nes comprise knowledge on remote sensing methods, ability to judge articular remote sensing methods for geographical applications, skills of e sensing data and their interpretation.
Brief outline of the c Lectures: Introduction, key con –electromagnetic ene scattering, spectral b Analogue image inter scanning. Active sys sensing. Practicals: Web-based data sou behaviours of particu photogrammetric and imagery. Supervised GIS skills.	ourse: icepts, historical background of remote sensing methods. Physical principles ergy (EME), its properties and spectral characteristics. Interaction of EME – ehaviour, absorption. Spectral, temporal, spatial and radiometric resolution. rpretation. Global navigation satellite systems. Phtogrammetry. Multispectral stems. Airborne laser scanning. Terrestrial laser scanning. Radar remote rces of remotely sensed data. Physical properties of the EME. Spectral alar objects. Geometric parameters of aerial imagery. Planning an airborne d laser scanning mission. Image adjustment and false colour composite and unsupervised image classification. The work on practicals expects basic
Recommended litera ŽELEZNÝ, M. (2012 Katedra kybernetiky.	ture: 2): Dálkový průzkum Zěme (skriptá), Západočeská univerzita v Plzni, 93 s. URL: http://www.kky.zcu.cz/uploads/courses/dpz/DPZ-prednasky.pdf

CANADIAN CENTRE FOR REMOTE SENSING (2012): Fundamentals of Remoste Sensing (učebný text v angličtine, in English), 256 s. URL: http://www.nrcan.gc.ca/earth-sciences/geography-boundary/remote-sensing/fundamentals/1430.

BITTERER, L. (2005): Fotogrametria. Interné učebné texty z geodézie, fotogrametrie, katastrálneho mapovania. URL: http://svf.uniza.sk/kgd/literatura.html

HALOUNOVÁ L., PAVELKA K. (2005): Dálkový průzkum Země. Skriptá, ČVUT Praha, ISBN 80-01-03124-1. 192 s.

ŽÍHLAVNÍK, Š., SCHEER, Ľ., 2001: Diaľkový prieskum Zeme v lesníctve. TU Zvolen, 289 s. KOLÁŘ J., HALOUNOVÁ L., Pavelka K. (1997): Dálkový průzkum Země. Skriptá, ČVUT Praha, 164 s.

DOBROVOLNÝ, P. (1998). Dálkový průzkum Země. Digitální zpracování obrazu. Masarykova Univerzita, Brno.

LILLESAND, T.M., KIEFER, R.W., CHIPMAN, J.W. (2015). Remote Sensing and Image Interpretation. 7. Vydanie, New York, USA (Wiley),756 s.

JENSEN, R. J. (2006): Remote Sensing: An Earth Resource Perspective. 2. vydanie, New Jersey, USA (Prentice Hall), 608 s.

CAMPBELL, J.B., WYNNE, R.H. (2011). Introduction to Remote Sensing. New York, USA (Guilford), 667 s.

Course language:

Slovak, Czech, English

Notes:

Course assessment

Total number of assessed students: 170

А	В	С	D	Е	FX
22.94	27.06	34.12	10.59	4.71	0.59

Provides: doc. Mgr. Michal Gallay, PhD., Mgr. Katarína Onačillová, PhD., Mgr. Daniela Laubertová

Date of last modification: 16.09.2017

University: P. J. Šafárik University in Košice				
Faculty: Faculty of S	cience			
Course ID: ÚTVŠ/ ÚTVŠ/CM/13	Course name: Seaside Aerobic Exercise			
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent			
Number of ECTS cr	edits: 2			
Recommended seme	ster/trimester of the course:			
Course level: I., II.				
Prerequisities:				
Conditions for cours Completion: passed Condition for success - active participation - effective performan	e completion: sful course completion: in line with the study rule of procedure and course guidelines ce of all tasks- aerobics, water exercise, yoga, Pilates and others			
Learning outcomes: Content standard: The student demonstricourse syllabus and re Performance standard Upon completion of t - perform basic aerob - conduct verbal and - organise and manag	rates relevant knowledge and skills in the field, which content is defined in the ecommended literature. d: the course students are able to meet the performance standard and: ics steps and basics of health exercises, non-verbal communication with clients during exercise, e the process of physical recreation in leisure time			
 Brief outline of the c Brief outline of the co 1. Basic aerobics – lo 2. Basics of aqua fith 3. Basics of Pilates 4. Health exercises 5. Bodyweight exercises 5. Bodyweight exercises 6. Swimming 7. Relaxing yoga exee 8. Power yoga 9. Yoga relaxation 10. Final assessment Students can engage volleyball, football, tag 	ourse: burse: burse: burse: burse: burse: burse: burse: ses ses reises in different sport activities offered by the sea resort – swimming, rafting, able tennis, tennis and other water sports in particular.			
Recommended litera 1. BUZKOVÁ, K. 20	t ure: 106. 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.			

University: P. J	University: P. J. Šafárik University in Košice				
Faculty: Facult	y of Science				
Course ID: KF/ FIVYC/22	Course name: Selected Topics in Philosophy of Education (General Introduction)				
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:		
Course level: II	- -				
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: 2					
А	В	С	D	Е	FX
100.0	100.0 0.0 0.0 0.0 0.0				0.0
Provides: PhDr. Dušan Hruška, PhD.					
Date of last modification: 27.04.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J. Šafárik University in Košice					
Faculty: Faculty of S	Faculty: Faculty of Science				
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	nd the method: ce rse-load (hours): dy period: 28 esent				
Number of ECTS cr	edits: 3				
Recommended seme	ster/trimester of the course: 1.				
Course level: I., II.					
Prerequisities:					
Conditions for course Participation in exert semester) and a group to students, who will actively participate in	be 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 a discussions and does not pass the final test min. to 60%.				
Learning outcomes: Students know how t origin, spatial distribution	o verbally express and critical thinking to social issues, social inequality - its ation.				
Brief outline of the c Social geography is a solve social problem factors, racism, ethni- inequality and place.	ourse: 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: 3 človeka. Geografický MATLOVIČ, R. 1999 štruktúr a jej slovensk ROCHOVSKÁ, A., I Slovenska. <http: geografia.sciet<br="">Rochovska_Hornak.p SIROVÁTKA, T., ed skupin. Brno, Masary s.</http:>	 a. 2007: Chudoba a jej dimenzie na Slovensku. Bratislava, Univerzita Jesto a jeho vývoj v sociálno-priestorových a civilizačných súvislostiach. 5-326. Sociálna geografia a problematika výskumu priestorového správania v časopis 44, 2, 149-173. 6: Sociálno-ekologická orientácia geografického bádania intraurbánnych ké reflexie. Geografický časopis, 48, 3-4, 271-284. HORŇÁK, M. 2008: Chudoba a jej percepcia v marginálnych regiónoch ence.upjs.sk/images/geographia_cassoviensis/articles/GC-2008-2-1/ b. 2004: Sociální exkluze a sociální inkluze menšin a marginalizovaných //kova univerzita, Fakulta sociálních studií, nakladatelství Georgetown, 237 				

Course language: Slovak, English					
Notes:					
Course assessment Total number of assessed students: 160					
А	В	С	D	Е	FX
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	Approved: prof. Mgr. Jaroslav Hofierka, PhD.				

University: P. J. Šafárik University in Košice					
Faculty: Faculty of S	cience				
Course ID: ÚGE/ PAM1/21	Course name: Spatial analyses and modelling				
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present				
Number of ECTS cr	edits: 6				
Recommended seme	ster/trimester of the course: 1.				
Course level: II.					
Prerequisities:					
Conditions for cours The evaluation is bas reports submitted at t of the subject, first th lectures and then they Continuous control a semester, students tak	e completion: sed on a combination of continuous tests in the lecture, submitted technical the exercises and the final exam. From the point of view of the organization ne individual topics are taught at the theoretical and methodological level in are demonstrated in exercises on selected case studies and tasks. It the lecture with a weight of 20% is carried out through tests. During the te 2 tests focused on the computational solution of assigned tasks. From each				

continuous control at the lecture with a weight of 20% is carried out through tests. During the semester, students take 2 tests focused on the computational solution of assigned tasks. From each test it is necessary to obtain a rating at least at the level of grade E.

The outputs from each exercise are passed on to the next exercise at the latest. During the semester, students will receive 2 separate assignments, the aim of which will be to apply selected methods of spatial analysis and modeling of spatial phenomena for a defined area of interest. The result will be a technical report containing a description of the data, methods and software used, analysis of the results and their interpretation. The technical report from these separate assignments represents 50% of the weight in the final evaluation, while it is necessary to obtain a minimum grade E level from each technical report.

A student who submitted all the results of the exercises on time and obtained an evaluation of both submitted technical reports at least at the level of grade E can apply for the exam. The final exam is carried out in the form of a test and weighs 30% overall at least at grade E.

The final evaluation is a weighted average of evaluations from continuous control (20%), submitted technical reports (50%) and exams (30%). 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 and overview in the concepts of spatial analysis and modeling of spatial phenomena using geodata in the geographic information system. They will get acquainted with the theoretical and methodological basis of selected spatial analyzes and approaches to modeling spatial phenomena.

Skills: The student will learn to prepare spatial data for spatial analysis and modeling of spatial phenomena. They will get acquainted with specialized software tools, modules and extensions for GIS. Can perform spatial analyzes and model selected spatial phenomena, evaluate the suitability of their use and interpret the results of spatial analysis and modeling of spatial phenomena.

Competences: The student is able to design a procedure for the analysis of spatial phenomena using geodata with a high degree of independence and evaluate the suitability of the methods used in their analysis.

Brief outline of the course:

Lectures:

Basic concepts of spatial analysis, their definition and classification; Point field analysis and spatial autocorrelation, distance analyzes; Graph theory and network analysis; Nuclear density analysis; Geographically weighted regression; Trend surface and multivariate spline; Geostatistical concept of spatial dependence; Spatio-temporal analysis and modeling, TimeGIS; Solar radiation modeling; Water flow and erosion modeling; Cellular automata; Fluid dynamics modeling

Exercises: Software tools for spatial analysis and modeling; Point field analysis and spatial autocorrelation, distance analyzes; Graph theory and network analysis; Nuclear density analysis; Geographically weighted regression; Trend surface and multivariate spline; Geostatistical concept of spatial dependence; Spatio-temporal analysis and modeling, TimeGIS; Solar radiation modeling; Water flow and erosion modeling; Cellular automata; Fluid dynamics modeling

Recommended literature:

KAŇUK, J., 2015. Priestorové analýzy a modelovanie. Vysokoškolské učebné texty.

Prírodovedecká fakulta Univerzity Pavla Jozefa Šafárika v Košiciach. 114 s.

HLÁSNY, T. 2007: Geografické informačné systémy - Priestorové analýzy. Zephyros& Národné lesnícke centrum - Lesnícky výskumný ústav, Zvolen.

LLOYD, CH. 2009: Spatial Data Analysis. An Introduction for GIS users. Oxford University Press, Oxford.

BAILEY, T.C., GATRELL, A.C., 1995. Interactive spatial data analysis. Essex, Longman Scientific & Technical.

LONGLEY, P.A., BATTY, M. (eds.)., 2003. Advanced spatial analysis : the CASA book of GIS. Redlands, ESRI.

FISHER, M.M., LEUNG, Y. (2001). Geocomputational Modelling: techniques and applications. Berlin, Springer.

O'SULLIVAN, D., UNWIN, D. (2002). Geographic Information Analysis. Wiley&Sons.

FISCHER, MM., GETTIS, A. (eds). (2010). Handbook of applied spatial analysis: software tools, methods and applications. Berlin, Springer.

FOTHERINGHAM, A. S., C. BRUNSDON, CHARLTON, M. (2000). Quantitative Geography: Perspectives on Spatial Data Analysis. Sage.

FOTHERINGHAM, S., ROGERSON, P. (1994). Spatial analysis and GIS. London, Taylor & Francis.

HAINING, R. P. (2003). Spatial data analysis: Theory and practice. New York: Cambridge University Press.

Course language:

Notes:

Course assessment

Total number of assessed students: 15

А	В	С	D	Е	FX
53.33	26.67	6.67	0.0	6.67	6.67
Provides: doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 23.11.2021					

University: P. J.	University: P. J. Šafárik University in Košice				
Faculty: Faculty	y of Science				
Course ID: ÚG PDS/21	E/ Course name: Spatial database systems				
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: 5		2		
Recommended	semester/trimes	ster of the cours	e: 3.		
Course level: 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	Course assessment Total number of assessed students: 16				
Α	В	С	D	Е	FX
25.0	25.0 43.75 25.0 0.0 6.25 0.0				0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Tomáš Fedor					
Date of last modification: 22.04.2021					
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/ SSG/16	Course name: Special Seminar in Geoinformatics				
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	ster/trimester of the cours	e: 4.			
Course level: II.					
Prerequisities:					
Conditions for cours	e completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	iture:				
Course language:					
Notes:					
Course assessment Total number of asses	Course assessment Total number of assessed students: 62				
	abs	n			
	100.0 0.0				
Provides: doc. Mgr. Michal Gallay, PhD., prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 13.07.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

University: P. J. Šafá	rik University in Košice		
Faculty: Faculty of Science			
Course ID: ÚGE/ SSH/21	Course name: Special Seminar in Human and Regional Geography		
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present			
Number of EC 15 cr			
Recommended seme	ster/trimester of the cours	e: 4	
Course level: 11.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asses	ssed students: 11		
	abs	n	
	100.0 0.0		
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD., RNDr. Stela Csachová, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka			
Date of last modification: 27.06.2022			
Approved: prof. Mgr. Jaroslav Hofierka, PhD.			

University: P. J. Šafá	University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚGE/ SSF/21	Course name: Special Seminar in Physical Geography			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present				
Number of ECTS cr	edits: 3			
Recommended seme	ster/trimester of the cours	e: 4.		
Course level: II.				
Prerequisities:				
Conditions for cours	e completion:			
Learning outcomes:				
Brief outline of the c	ourse:			
Recommended litera	iture:			
Course language:				
Notes:				
Course assessment Total number of asses	Course assessment Total number of assessed students: 2			
	abs	n		
	100.0 0.0			
Provides: RNDr. Dušan Barabas, CSc., doc. Ing. Katarína Bónová, PhD., 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 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. Šafán	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVb/11	Course name: Sports Activities II.
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ee rse-load (hours): dy period: 28 sent
Number of ECTS cro	edits: 2
Recommended seme	ster/trimester of the course: 2.
Course level: I., II.	
Prerequisities:	
Conditions for cours active participation in	e completion: a classes - min. 80%.
Learning outcomes: Sports activities in all They have a great im enables students to s improve.	their forms prepare university students for their professional and personal life. pact on physical fitness and performance. Specialization in sports activities trengthen their relationship towards the selected sport in which they also
Brief outline of the constraints of the Institute of physical activities aerobics; ail yoga, power yog	burse: burse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball, ilates, swimming, fitness, indoor football, SM system, step aerobics, table all, tabata, cycling. itute of physical education and sport at the Pavol Jozef Šafárik University (ski course, survival) and summer courses (aerobics by the sea, rafting on an attractive programme, sports competitions with national and international
Recommended litera BENCE, M. et al. 200 [online] Dostupné na: BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 9788024 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. Fu LAWRENCE, G. 201 SNER, Wolfgang. 200	 ture: D5. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN RKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 4757308. utbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN utsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902. D4. Posilování ve fitness. České Budějovice: Kopp. ISBN 8072322141.

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

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

Course language:

Slovak language

Notes:

Course assessment

Total number of assessed students: 13318

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

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

Date of last modification: 07.02.2024

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚTVŠ/ TVc/11	Course name: Sports Activities III.
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 sent
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. pact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also
Brief outline of the c 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: ourse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball, ilates, swimming, fitness, indoor football, SM system, step aerobics, table all, tabata, cycling. 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 978802 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. Fu LAWRENCE, G. 201 SNER, Wolfgang. 20	 ture: D5. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 4757308. utbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN utsal.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: 9100

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

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

Date of last modification: 07.02.2024

University: P. J. Šafá	rik University in Košice						
Faculty: Faculty of S	Faculty: Faculty of Science						
Course ID: ÚTVŠ/ TVd/11	Course name: Sports Activities IV.						
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: ce rse-load (hours): dy period: 28 esent						
Number of ECTS cr	edits: 2						
Recommended seme	ster/trimester of the course: 4.						
Course level: I., II.							
Prerequisities:							
Conditions for cours min. 80% of active pa	e completion: articipation in classes						
Learning outcomes: Sports activities in all They have a great im enables students to s improve.	their forms prepare university students for their professional and personal life. spact on physical fitness and performance. Specialization in sports activities strengthen their relationship towards the selected sport in which they also						
Brief outline of the c Brief outline of the co The Institute of physi activities aerobics; ai yoga, power yoga, p tennis, chess, volleyb Additionally, the Inst offers winter courses the Tisza River) with participation.	ourse: ourse: cal education and sport at the Pavol Jozef Šafárik University offers 20 sports kido, basketball, badminton, body-balance, body form, bouldering, floorball, ilates, swimming, fitness, indoor football, SM system, step aerobics, table all, tabata, cycling. titute of physical education and sport at the Pavol Jozef Šafárik University (ski course, survival) and summer courses (aerobics by the sea, rafting on an attractive programme, sports competitions with national and international						
Recommended litera BENCE, M. et al. 200 [online] Dostupné na BUZKOVÁ, K. 2006 8024715252. JARKOVSKÁ, H, JA Grada. ISBN 978802 KAČÁNI, L. 2002. F 8089197027. KRESTA, J. 2009. Fu LAWRENCE, G. 201 SNER, Wolfgang. 20	 ture: D5. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN ARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: 4757308. utbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN ntsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345. 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: 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. D I	Šafárik Univers	vity in Košice				
Faculty: Faculty of Science						
Course ID: ÚG SUP/21	Course name: Strategic and spatial planning					
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: 5					
Recommended	semester/trimes	ster of the cours	e: 3.			
Course level: II	•					
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: 10						
А	В	С	D	Е	FX	
10.0 70.0 10.0 10.0 0.0 0.0						
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD.						
Date of last modification: 28.02.2022						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	ity in Košice					
Faculty: Facult	Faculty: Faculty of Science						
Course ID: ÚG SEDK/21	E/ Course na	/ Course name: Structure, aesthetics and design of landscape					
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: 4						
Recommended	semester/trimes	ster of the cours	e: 3.				
Course level: II	-						
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: 0							
А	В	С	D	Е	FX		
0.0	0.0 0.0 0.0 0.0 0.0 0.0						
Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Imrich Sládek, PhD.							
Date of last modification: 22.04.2021							
Approved: prof. Mgr. Jaroslav Hofierka, PhD.							

University: P. J. Šafá	rik University in Košice				
Faculty: Faculty of S	Faculty: Faculty of Science				
Course ID: ÚGE/ SVGG/15	ourse ID: ÚGE/ /GG/15Course name: Student Scientific Conference in Geography and Geoinformatics				
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of ECTS cr	edits: 4				
Recommended seme	ster/trimester of the cours	e: 4.			
Course level: II.					
Prerequisities:					
Conditions for cours	e completion:				
Learning outcomes:					
Brief outline of the c	ourse:				
Recommended litera	iture:				
Course language:					
Notes:					
Course assessment Total number of assessed students: 17					
abs n					
100.0 0.0					
Provides: doc. Mgr. Michal Gallay, PhD.					
Date of last modification: 01.12.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					
University: P. J. Šafárik University in Košice					
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Faculty: Faculty of Science					
Course ID: ÚTVŠ/ LKSp/13	Course name: Summer Course-Rafting of TISA River				
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	nd the method: e se-load (hours): dy period: 28 esent				
Number of ECTS cr	edits: 2				
Recommended seme	ster/trimester of the course:				
Course level: I., II.					
Prerequisities:					
Conditions for cours Completion: passed Condition for success - active participation - effective 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 acqu - implement basic ski - determine the right - prepare a suitable m	ates relevant knowledge and skills in the field, which content is defined in the ecommended literature. I: he course students are able to meet the performance standard and: ired knowledge in different situations and practice, Ils to manipulate a canoe on a waterway, spot for camping, aterial and equipment for camping.				
 Brief outline of the c Brief outline of the co 1. Assessment of diff 2. Safety rules for raff 3. Setting up a crew 4. Practical skills trained 5. Canoe lifting and co 6. Putting the canoe in 7. Getting in the canoe 8. Exiting the canoe on 10. Steering a) The pry stroke (on b) The draw stroke 	burse: burse: iculty of waterways ting hing using an empty canoe arrying n the water without a shore contact e ut of the water fast waterways)				

11. Capsizing				
12. Commands				
Recommended literature: 1. JUNGER, J. et al. Turistika a športy v prírode. Prešov: FHPV PU v Prešove. 2002. ISBN 8080680973. Internetové zdroje: 1. STEJSKAL, T. Vodná turistika. Prešov: PU v Prešove. 1999. Dostupné na: https://ulozto.sk/tamhle/UkyxQ2IYF8qh/name/Nahrane-7-5-2021-v-14-46-39#! ZGDiBGR2AOtkAzVkAzLkLJWuLwWxZ2ukBRLinGqSomICMmOvZN==				
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. Š	afárik Univers	ity in Košice			
Faculty: Faculty o	f Science				
Course ID: ÚGE/ USE/08	Course name: Territorial systems of ecological stability				
Course type, scop Course type: Pra Recommended c Per week: 2 Per Course method:	e and the met ctice ourse-load (h study period: present	thod: ours): 28			
Number of ECTS	credits: 3				
Recommended set	mester/trimes	ster of the cours	e: 2.		
Course level: II.					
Prerequisities:					
Conditions for co	urse completi	on:			
Learning outcome	es:				
Supraregional and Important ecologic elementary gravit earthquakes, posit of ecological stabi	l regional Sys cal landscape s ational areas ive factors, ne lity.	tem of Ecologica segments. genofo assessment (mio gative factors, po	I Stability, its ond sites, abioco crowatersheds), tential and real	parts and methods omplexes and their potential risks s vegetation, region	s of production. r evaluation, such as floods, nal classification
Recommended lit	erature:				
Course language:					
Notes:					
Course assessmen Total number of as	it ssessed studen	ts: 142			
Α	В	С	D	E	FX
74.65	11.27	7.04	3.52	2.82	0.7
Provides: RNDr. I	Dušan Barabas	, CSc., doc. Mgr.	Michal Gallay	, PhD.	<u>.</u>
Date of last modification: 24.09.2021					
Approved: prof. N	/Igr. Jaroslav H	Hofierka, PhD.			

University: P. J	. Šafárik Univers	ity in Košice				
Faculty: Facult	y of Science					
Course ID: ÚG BLS/21	E/ Course na	/ Course name: Unmanned Aerial Vehicles				
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	IS credits: 4		1			
Recommended	semester/trimes	ster of the cours	e: 1.			
Course level: II	Course level: II.					
Prerequisities:						
Conditions for course completion:						
Learning outcomes:						
Brief outline of the course:						
Recommended literature:						
Course language:						
Notes:						
Course assessment Total number of assessed students: 12						
А	В	С	D	Е	FX	
66.67	25.0	0.0	0.0	0.0	8.33	
Provides: doc. RNDr. Ján Kaňuk, PhD.						
Date of last modification: 19.11.2021						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

University: P. J	. Šafárik Univers	sity in Košice			
Faculty: Facult	y of Science				
Course ID: ÚG URG/21	E/ Course na	Course name: Urban and Rural Geography			
Course type, sc Course type: 1 Recommended Per week: 2 / Course metho	ope and the met Lecture / Practice d course-load (h l Per study peri d: present	thod: e ours): od: 28 / 14			
Number of EC	TS credits: 5				
Recommended	semester/trimes	ster of the cours	e: 2.		
Course level: I	- -				
Prerequisities:					
Conditions for	course completi	ion:			
Learning outco	omes:				
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:				-	
Course assessm Total number o	nent f assessed studen	its: 10			
А	В	С	D	E	FX
20.0	20.0	50.0	10.0	0.0	0.0
Provides: RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, doc. Mgr. Ladislav Novotný, PhD.					
Date of last mo	dification: 27.06	5.2022			
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					