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COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ DSK/15	Course name: 3D 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 ECTS credits: 4	
Recommended semester/trimester of the course: 2.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Active participation in lectures and practicals which includes: Participation in field works 1 semestral work based on assignments and skills acquired during the practicals focused on the processing of data from ground laser scanning, point cloud analysis, evaluation of the quality of data from ground laser scanning and presentation of results 1 written test The content of the continuous assessment is focused on practical skills and calculations in terrestrial laser scanning. A student who has successfully presented the semester work and its results and obtained an evaluation at least at the level of grade E (min. 50 points out of 100) can register for the exam. The content of the final exam is focused on theoretical and methodological aspects of ground-based laser scanning. The final evaluation of the course is the arithmetic average of the evaluation of the semester work and 1 final exam. Credits will only be awarded to a student who achieves a value of at least 50 or more out of 100 points in each part of the evaluation. The evaluation scheme applies to the evaluation of the continuous control and the final exam: 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: Knowledge: The student will gain knowledge of the physical principle of laser scanning, theoretical and methodological aspects of point cloud processing and analysis, comparison of ground methods of collecting geodata (their strengths and weaknesses) with terrestrial laser scanning. Skills: The student will learn to work with a ground laser scanner, can plan data collection, can perform field measurements using a ground laser scanner, can perform primary data processing (placement of point clouds from individual positions in a common coordinate system) using specialized software and can evaluate them quality. Competences: The student is able with a high degree of independence to propose a procedure for performing terrestrial laser scanning according to defined requirements and evaluate the quality of point clouds.	
Brief outline of the course:	
Recommended literature:	

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.

Marshall, G. F., 2004: Handbook of optical and laser scanning. New York: 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 skenovanie - 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: 78

A	B	C	D	E	FX
39.74	21.79	21.79	10.26	5.13	1.28

Provides: doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 22.11.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ PSMG/15		Course name: Advanced Statistical Methods in Geography			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present					
Number of ECTS credits: 3					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion: The assessment of student's learning outcomes is carried out through a combination of in-process controls during the instructional part of the semester. Monitoring consists of 80% of the active participation of the student in the seminar not stand on student's successful solution to particular tasks. If a student fails a compulsory active participation and successfully solves the tasks he/she can assign to the final examination.					
Learning outcomes: The student will acquire a theoretical basis for the use of multivariate statistical methods in geography.					
Brief outline of the course: One dimensional and multidimensional data; Multivariate statistical methods – component analysis, analysis of the burst, importers; Time series; Multiple regression; Covariance; Theoretical Division; The selection of exploration.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 44					
A	B	C	D	E	FX
90.91	0.0	6.82	2.27	0.0	0.0
Provides: RNDr. Janetta Nestorová-Dická, PhD., prof. Mgr. Jaroslav Hofierka, PhD., doc. Mgr. Michal Gally, PhD.					
Date of last modification: 03.05.2015					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ PSMG/21		Course name: Advanced 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 ECTS credits: 3					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 6					
A	B	C	D	E	FX
83.33	0.0	0.0	16.67	0.0	0.0
Provides: doc. Mgr. Michal Gallay, PhD., prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 23.11.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ LHS/21		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 ECTS credits: 5					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 10					
A	B	C	D	E	FX
90.0	10.0	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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KF/ AFS/05		Course name: Ancient Philosophy and Present Times			
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: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion: When implementing the subject in the classical - face-to-face - form of teaching: 40% - continuous assessment of student activity at seminars, partial seminar work - assignment. 60% - final test, or seminar paper in the range of 10 A4 standard pages (with compliance with the KF citation standard for seminar and qualification papers. In the case of a transition to distance education, students will be assigned sub-tasks for studying philosophical texts and processing the task in written form, which must be submitted by the set deadline, will be assigned points (partial assessment) and at the end will prepare a seminar paper to the same extent as in the face-to-face form teaching.					
Learning outcomes:					
Brief outline of the course: Point out the roots of Western civilization that go back to the Greeks. The ancient Greeks, as one of the 3 pillars of European culture, reveal the origins of democracy and critical thinking. Emphasizing the interconnectedness of ancient philosophy and EPISTEME will enable a better understanding of the issues of thought formation, the relationship between philosophy and science, and modern society, where the emergence of mathematical natural science in the 17th century is the pillar on which Europe and European humanity stand. The student will be able to understand the questions and problems of today if he discovers the foundations and contexts leading to serious questions of today's form of society, thinking, science and culture.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 31					
A	B	C	D	E	FX
80.65	6.45	6.45	0.0	6.45	0.0
Provides: doc. PhDr. Peter Nezník, CSc.					

Date of last modification: 24.08.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ APG/15	Course name: Applied 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 credits: 2	
Recommended semester/trimester of the course: 4.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Active participation within seminars and final professional essay. The ongoing evaluation is based on active participation in seminars. Experts from the field of geoinformatics (from the private, public, but also academic sector) are invited to the seminars and discuss with students on predetermined topics in the field of application of geoinformatics and remote sensing. The role of students is to prepare for the seminar, to study the issues discussed in the seminars. The final evaluation is based on a professional essay. 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).	
Learning outcomes: Knowledge: The student will gain knowledge in the field of geoinformatics applications and an overview of the activities of selected subjects (private companies, state institutions, local governments, academic institutions), which use spatial data, geoinformatics methods and technologies. Skills: The student mainly develops soft skills, such as: presentation skills, the ability to discuss professional issues and comment on professional issues in the form of a professional essay. Competences: The student is able to independently evaluate the applications of geoinformatics in practice.	
Brief outline of the course: Experts from various companies, organizations and institutions are invited to the seminars. Based on their professional profile, a program of lectures will be compiled for the semester, which will be announced to students in advance.	
Recommended literature:	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 110					
A	B	C	D	E	FX
89.09	3.64	6.36	0.91	0.0	0.0
Provides: doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 23.11.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZKAR/21		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 ECTS credits: 3					
Recommended semester/trimester of the course: 2.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 11					
A	B	C	D	E	FX
45.45	18.18	18.18	18.18	0.0	0.0
Provides: RNDr. Alena Gessert, PhD., doc. Ing. Katarína Bónová, PhD.					
Date of last modification: 20.02.2023					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZPYT/20		Course name: Basics of Python programming			
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 ECTS credits: 4					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 21					
A	B	C	D	E	FX
80.95	14.29	0.0	0.0	0.0	4.76
Provides: Mgr. Jozef Boglarský, Mgr. Anastasiia Enderova, prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 10.02.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZTGV/21		Course name: Basics of field geological research			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. Ing. Katarína Bónová, PhD., Ing. Ján Bóna					
Date of last modification: 30.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ PVS2/06	Course name: Changes in World Population
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: II.	
Prerequisites:	
Conditions for course completion: Papers on regional principles, building of database about states of world and statistical dates construction – graphs and thematic maps. All introduced condition must by fulfilled minimally on the level 60 %.	
Learning outcomes: Gaining general knowledge and recognising demographic naturallity in megadimensional level (continents and regions of world).	
Brief outline of the course: <ol style="list-style-type: none"> 1. Demogeography and its object, and the object of study. Population and its geographical attributes, phenomena and processes related to it and determining development. 2. Anthropogeny and initial spread - the migration of mankind. 3. Population patterns at deferent regional levels (specific emphasis on megalevel – world and regions of the world) 4. Basic demogeographic phenomena in the global context. 5. Birth rate and a specific rate in the world - regionalization. 6. Fertility and its specific rates in the world - regionalization. Fertility and its specific rates in the world - regionalization. 7. Morbidity and the specific rates in the world – regionalization 8. Mortality and its specific rates in the world - regionalization. 9. Marriage and its specific rates in the world - regionalization. 10. Divorce and its specific rates in the world - regionalization. 11. The total increase in world population and its geographic differentiation. 12. Structure of world population by cultural attributes. 13. Structure of world population by social and economic attributes. 14. Global migration movements and trends of mankind. 15. Globalization and population development. 	
Recommended literature: MLÁDEK, J. 1992: Základy geografie obyvateľstva. SPN Bratislava.230 s. KOSIŇSKI, L. 1967: Geografia ludności. PWN Warszawa, 236 s.	

PODOLÁK, P. 2007: Migrácie vo svete. Forum statisticum slovacum 3. SŠDS Bratislava, s. 193-196.

VALLIN, J. 1992: Světové obyvatelstvo. Academia Praha, 148 s. ISBN 80-200-0437-8

WATTENBERG, B., J. 2004: How the New Demography of Depopulation Will Shape Our Future. Chicago:

R. Dee, ISBN 1-56663-606-X

ČASOPISY: GEOGRAFIA, DEMOGRAFIE

Výročné správy Populačného fondu OSN (UNFPA)

World Population Data Sheet 2007

www.rozvojovevzdelavanie.sk

www stránky: www.fao.com, www.infoplease.com, www.

www.census.com, www.who.com, www.statistics.sk

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 151

A	B	C	D	E	FX
47.68	35.76	13.25	2.65	0.66	0.0

Provides: RNDr. Janetta Nestorová-Dická, PhD.

Date of last modification: 03.05.2015

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KF/ KDF/05		Course name: Chapters from History of Philosophy of 19th and 20th Centuries (General Introduction)			
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: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 10					
A	B	C	D	E	FX
50.0	20.0	10.0	0.0	10.0	10.0
Provides: PhDr. Dušan Hruška, PhD.					
Date of last modification: 03.05.2015					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: KPPaPZ/KK/07	Course name: Communication and Cooperation
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 3.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Evaluation: A condition for student evaluation is his active participation in the seminar. It is expected that the student will actively participate in the discussions and will express their positions and possible solutions. The output for evaluation will be the development of a project in the form of a Power Point presentation or a video on a selected communication topic.	
Learning outcomes: The goal of the subject Communication, cooperation is the formation and development of students' language and communication skills through experiential activities. The student can demonstrate an understanding of individual behavior in various communication contexts. The student can describe, explain and evaluate communication techniques (cooperation, assertiveness, empathy, negotiation, persuasion) in practical contexts. The student can apply these techniques in common communication schemes.	
Brief outline of the course: Communication Communication theory Non-verbal communication and its means Verbal communication (basic components of communication, language means of communication) about active listening Empathy Short conversation and effective communication (principles and principles of effective communication) Cooperation About the basics of cooperation About types, signs, types and factors of cooperation Characteristics of the team (positions in the team) Small social group (structure, development, characteristics of a small social group, position of the individual in the group)	

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.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ KGR/15	Course name: Comparative Geography of Slovak Regions
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: 4.	
Course level: II.	
Prerequisites:	
Conditions for course completion: The evaluation of student's performance is implemented through a combination of current, random control during the term and the examination part within a particular period of the semester. This type of continuous control includes at least 80% of students' active participation in teaching and successful solutions of given assignments. If a student does not follow and fulfil these two conditions, i. e. compulsory active learning part of the course, together with active participation and in addition will not solve assigned tasks successfully can not register, assign for the examination (oral/written). If the student receives more than 51% in the written form may proceed to the oral form. If a student does not demonstrate particular knowledge during the oral examination student has to take both forms of the examination once again.	
Learning outcomes: The aim of the comparative geography of the Slovak Republic is to demonstrate to a listener the creation and development processes of regional structures, the less developed regions of the Slovak Republic, regional diversity in terms of different areas.	
Brief outline of the course: Comparative analysis of regions of Slovakia belongs to one of the major themes of the base field of study dealing with a comprehensive study of regional systems geography regional different hierarchical levels. Its importance tends to rise at the moment in relation to the solution of problems of regional development companies, including regional disparities within the State and in relation to the integration of Slovakia into the European and world structures. The main focus of the course is dealing with the relationship of the society and nature in the 3-d aspect of Slovakia, but also focus on the problems of spatial organization on the regional level, with the opening of the application in the field of regional development. Seminars The content is mainly in the form of seminars, discussions deal with the actual content of the subjects from different areas, eg. poverty, transformation of the economy, the electoral geography, rural of the regions, unemployment, etc. In the scope of the seminar can be the development of the tasks arising from the (over), which is the issue.	
Recommended literature:	

Course language:					
Notes:					
Course assessment					
Total number of assessed students: 163					
A	B	C	D	E	FX
34.97	25.15	20.86	11.66	6.75	0.61
Provides: RNDr. Janetta Nestorová-Dická, PhD., doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 29.03.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ KVS/21		Course name: Crises in the world			
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.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 4					
A	B	C	D	E	FX
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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ DPO/14		Course name: Diploma Thesis and its Defence			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of ECTS credits: 20					
Recommended semester/trimester of the course:					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 123					
A	B	C	D	E	FX
39.84	29.27	19.51	7.32	3.25	0.81
Provides:					
Date of last modification: 31.07.2015					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ DPO1/21		Course name: Diploma Thesis and its Defence			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of ECTS credits: 16					
Recommended semester/trimester of the course:					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 4					
A	B	C	D	E	FX
25.0	75.0	0.0	0.0	0.0	0.0
Provides:					
Date of last modification: 07.12.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ DSE1/21		Course name: Diploma 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 ECTS credits: 3					
Recommended semester/trimester of the course: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 15					
A	B	C	D	E	FX
60.0	33.33	6.67	0.0	0.0	0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ DSE2/21		Course name: Diploma 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 ECTS credits: 3					
Recommended semester/trimester of the course: 4.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 15					
A	B	C	D	E	FX
40.0	46.67	13.33	0.0	0.0	0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ DSEI/05		Course name: Diploma seminar 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: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion: The credits will be granted to a student with an active participation on seminars and successful completion of tasks: presentation of the methodology of the thesis based on the thesis formulation and preparation of a poster representing an extended abstract of the thesis.					
Learning outcomes: Acquired knowledge of demands for diploma thesis as well as of theoretical, methodological and formal scientific procedures of diploma thesis creation.					
Brief outline of the course: The content and structure of diploma thesis (abstract, introduction, conclusion, etc.); Ethics and culture of writing diploma thesis, citations and references, types of sources (printed, electronic, etc.), examples. 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 in the form of a poster.					
Recommended literature: HOVORKA, D., KOMÁREK, K., CHRAPAN, J. 2011: Ako písať a komunikovať. Martin (Vydavateľstvo Osveta), 247 s. KATUŠČÁK, D. 2008: Ako písať záverečné a kvalifikačné práce. Nitra (Enigma), 162 s. ÚTVAR REKTORA UPJŠ (2011): Smernica č. 1/2011, Dostupné na internete: < http://www.upjs.sk/public/media/2438/smernica-1-2011.pdf >, 25 s.					
Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 325					
A	B	C	D	E	FX
80.92	12.31	4.31	0.62	1.54	0.31
Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. Mgr. Ladislav Novotný, PhD.					

Date of last modification: 17.09.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ DSEII/05	Course name: Diploma seminar II
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: II.	
Prerequisites:	
Conditions for course completion: Verification of acquired methodological and formal procedures of the creation of diploma thesis by the presentation of current thesis creation by presentation of own diploma thesis (100% of rating). To obtain A grade, the rating os student's presentation 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 rating less than 50 %.	
Learning outcomes: Acquired skills to apply theoretical, methodological and formal scientific procedures of diploma thesis creation.	
Brief outline of the course: The seminary is focused to the topics of individual diploma thesis. Students present current state of their thesis, its content and its particular parts. Each diploma thesis is discussed at scientific level.	
Recommended literature: HOVORKA, D., KOMÁREK, K., CHRAPAN, J., 2011. Ako písať a komunikovať. Martin (Vydavateľstvo Osveta), 247 s. KATUŠČÁK, D.. 2008, Ako písať záverečné a kvalifikačné práce. Nitra (Enigma), 162 s. ÚTVAR REKTORA UPJŠ, 2011. Smernica č. 1/2011, Dostupné na internete: < http://www.upjs.sk/public/media/2438/smernica-1-2011.pdf >, 25 s. POKYNY, 2020. Pokyny na tvorbu záverečných prác na Ústave geografie Prírodovedeckej fakulty UPJŠ v Košiciach. https://geografia.science.upjs.sk/images/studium/Pokyny_ZP_UGE_2019.pdf ŠABLÓNA, 2020. Odporúčaná šablóna prezentácie k obhajobe záverečnej práce na ÚGE. https://geografia.science.upjs.sk/images/dokumenty_tlaciva/sablona_prezentacie_ZP.ppt	
Course language: Slovak	
Notes:	

Course assessment					
Total number of assessed students: 228					
A	B	C	D	E	FX
70.18	21.93	5.7	0.44	0.44	1.32
Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Zdenko Hochmuth, CSc., doc. Mgr. Ladislav Novotný, PhD., prof. RNDr. Peter Spišiak, CSc.					
Date of last modification: 17.09.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ HOS/15		Course name: Economic 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 ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature: DUBCOVÁ, A. a kol., 2008: Geografia Slovenska. Učebnica geografie pre regionálny rozvoj. 350 s. LAUKO, V., TOLMÁČI, L., DUBCOVÁ, A., 2006: Humánna geografia Slovenskej republiky, Kartprint Bratislava, 200 s. LAUKO, V., TOLMÁČI, L., KRIŽAN, F., GURŇÁK, D., CÁKOCI, R., 2013: Geografia Slovenskej republiky, Humánna geografia. Geografika, 300 s. MICHAELI, E., 1996: Vybrané kapitoly z regionálnej geografie Slovenskej republiky, Cestovný ruch. Metodické centrum, Prešov, 65 s. MICHAELI, E. 1996: Vybrané kapitoly z regionálnej geografie Slovenskej republiky, Priemysel, poľnohospodárstvo. Metodické centrum, Prešov. 71 s. Trend TOP v priemysle, v cestovnom ruchu.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 73					
A	B	C	D	E	FX
36.99	23.29	31.51	5.48	2.74	0.0
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Michal Gallyay, PhD.					
Date of last modification: 14.02.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ENG/18		Course name: Environmental Geology			
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: 2.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 3					
A	B	C	D	E	FX
66.67	0.0	33.33	0.0	0.0	0.0
Provides: doc. Ing. Katarína Bónová, PhD.					
Date of last modification: 26.08.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ENG1/21		Course name: Environmental Geology			
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: 3.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. Ing. Katarína Bónová, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZTG/21		Course name: Fundamentals of tectonic geomorphology			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. Mgr. Michal Gallay, PhD., Ing. Ján Bóna					
Date of last modification: 30.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ TMK/15	Course 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	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 2., 4.	
Course level: II.	
Prerequisites:	
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:ElementsofCartography. Wiley&sons. 674 s.	

<p>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.</p> <p>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.</p>					
Course language:					
Notes:					
Course assessment					
Total number of assessed students: 54					
A	B	C	D	E	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					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GEE/21		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 ECTS credits: 5					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 10					
A	B	C	D	E	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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ GSA/08	Course name: Geographic systems of nonproductive activities
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course: 3.	
Course level: II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course: Geography of tourism - theoretical and methodological background. Potential of the country for the development of tourism and its location conditions. Settlement types and regionalisation of Slovakia from the point of tourism development. Tourism regions in Slovakia. Foreign tourism. Domestic and foreign trade and its role. Regularities of the commodity movement. Basic methods of the transport studies. Use of geographic methods in the geography of transport. Service sector in Slovakia.	
Recommended literature: ČUKA, P., 2004: Stručný prehľad problematiky geografie nevýrobnej sféry, UMB Banská Bystrica, 57 s. GOELDNER, CH.R., BRENT RICHIE, J.R., 2014: Cestovní ruch - principy, příklady, trendy. Biz books, 545 s. HALÁS, M., 2000: Zahraničný obchod SR s ČR. Geographical Studies 7, Constantine the Philosopher University Nitra, s. 98-107. JAKOBY, M., KRAUTMANNOVÁ, I., 1998: Zahraničný obchod. In: Sľuby a realita. Slovenská ekonomika 1995-1998. M.E.S.A. 10, Nadácia otvorenej spoločnosti, Inštitút pre verejné otázky, s. 95-101. KRIŽAN, F., et al. eds. 2017: Maloobchod a špecifiká časovo-priestorového správania spotrebiteľov. UK Bratislava. 285 s. MICHALOVÁ, V., ŠUTEROVÁ, V., 1999: Služby a cestovný ruch (I. časť: Služby), Bratislava, SPRINT vbra, 249 s. SZCZYRBA, Z., 2006: Geografie obchodu - se zaměřením na současné trendy v maloobchodě, PF Univerzita Palackého v Olomouci, 90 s. TOUŠEK, V. a kol., 2008: Ekonomická a sociální geografie. Plzeň, 2008, 411 s.	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 272					
A	B	C	D	E	FX
23.9	26.1	23.9	14.71	11.4	0.0
Provides: Mgr. Marián Kulla, PhD., Bc. Martina Gregáňová, Mgr. Štefan Kolečanský, prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 21.09.2019					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GGOI/16		Course name: 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 credits: 4					
Recommended semester/trimester of the course:					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 82					
A	B	C	D	E	FX
23.17	41.46	21.95	10.98	2.44	0.0
Provides:					
Date of last modification: 20.02.2023					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GVS/21		Course name: Geography of Public Administration			
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: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 7					
A	B	C	D	E	FX
57.14	28.57	14.29	0.0	0.0	0.0
Provides: RNDr. Stela Csachová, PhD., doc. Mgr. Ladislav Novotný, PhD., Mgr. Daniela Ujlakiová					
Date of last modification: 01.10.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GVS/15		Course name: Geography of Public Administration			
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: 3					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: public administration (PA), system of PA in Slovakia and models of public administration, history of public administration on the territory of Slovakia, division of PA - state government, self-government - local and regional, financial aspects of local self-government units, intermunicipal cooperation - microregions, common communal authorities, local action group, local government reform - Slovakia and other European countries, the multilevel city self-government - the city of Košice, regional self-government, territorial-administrative division, system of public administration in model European states.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 241					
A	B	C	D	E	FX
21.58	34.44	20.33	14.52	8.71	0.41
Provides: RNDr. Stela Csachová, PhD.					
Date of last modification: 12.09.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GCR/12		Course 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: 1.					
Course level: I., II.					
Prerequisites:					
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. Economy of the country - natural resources, 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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GCR1/21		Course 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: 1.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 1					
A	B	C	D	E	FX
0.0	0.0	100.0	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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GDL/21		Course name: Geography of transport and logistics			
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: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 3					
A	B	C	D	E	FX
100.0	0.0	0.0	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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ GMAP/13	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 ECTS credits: 2	
Recommended semester/trimester of the course: 2.	
Course level: I., II.	
Prerequisites:	
Conditions for course completion: The evaluation of the subject consists of assesment 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 character, 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 geomorfologie 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					
A	B	C	D	E	FX
84.62	0.0	15.38	0.0	0.0	0.0
Provides: RNDr. Alena Gessert, PhD.					
Date of last modification: 13.02.2023					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ GNS/15	Course name: Global Navigation Satellite 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 ECTS credits: 5	
Recommended semester/trimester of the course: 2.	
Course level: II.	
Prerequisites:	
Conditions for course completion: The evaluation is based on a combination of the continuous control at the exercises and final exam. The continuous control is carried out during the exercises teaching in the form of tasks on the individual work with a share of 30 % of the final evaluation. To the final exam can sign student who obtained the evaluation at the minimum level of 16 % in the exercise. The resultant rating is a weighted average of the evaluation from the continuous control (maximum 30 %) and final exam (maximum 70 %). The credits will be awarded only to student who achieves rating at least at the grade level of E, i.e. he achieves the rating of at least 51 %. achieves the evaluation at the minimum level of 51 % in the final evaluation.	
Learning outcomes: To acquire basic theoretical knowledge and practical experience of the global navigation satellite systems (GNSS) for a data collection methodology for geoinformatics.	
Brief outline of the course: GNSS in the context of geography and geoinformatics. GNSS, their nature and division. GPS - operating principle, the principles and characteristics; structure of GPS and its applications; surveying GPS technology, GPS instrumentation, data collection and transmission observed GPS data. The European satellite navigation system Galileo; positioning, navigation and timing services of the system Galileo; Galileo infrastructure; structure and applications of Galileo. Overview of other GNSS (GLONASS, BNSS, EGNOS, WAAS, MSAS, QZSS, IRNSS etc.).	
Recommended literature: DODEL, H., H. HÄUPLER, H., 2009. Satellitennavigation. 1st edition. Heidelberg-Dordrecht-London-New York: Springer, 548p. ISBN 978-3-540-79446-1. KAPLAN, E.D., HEGARTY, Ch.J., 2017. Understanding GPS/GNSS. 3rd ed. Boston/London: Artech House. 993p. ISBN 978-1-63081-058-0. GROVES, P., 2008. Principles of GNSS: Inertial and Multisensor Integrated Navigation Systems. London: Artech House, 536p. ISBN 9781580532556. HOFMANN-WELLENHOF, B., H. LICHTENEGGER and E. WASLE, 2008. GNSS – Global Navigation Satellite Systems: GPS, GLONASS, Galileo, and more. Wien: Springer-Verlag, 518p. eBook ISBN 978-3-211-73017-1, 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: 97

A	B	C	D	E	FX
74.23	18.56	6.19	1.03	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.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GLO/21		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 ECTS credits: 2					
Recommended semester/trimester of the course: 4.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 5					
A	B	C	D	E	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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: KF/DF2p/03	Course name: History of Philosophy 2 (General Introduction)
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:	
Course level: I., II.	
Prerequisites:	
Conditions for course completion: The condition for awarding the evaluation will be the active approach of students to fulfilling their study obligations, independent work with selected philosophical texts in the library, active participation and creative work in seminars. In connection with the possibility of interrupting face-to-face teaching, there will be greater demands on the student's independent study and the processing of professional literature, which will be continuously evaluated, using e-mail to communicate with the teacher, at the end of the semester, preparing and handing in the semester's seminar work by the set date, or also passing a knowledge test - about which the students will be informed in advance in sufficient time.	
Learning outcomes: Deepening knowledge about the development of spiritual culture in the European spiritual space and pointing out the most important sources of this development: (1) ancient philosophy and science, (2) Christianity as the second pillar of Europe, (3) the Renaissance and the emergence of modern science (mathematical natural science) as the third pillar of European development. Development of critical thinking skills, active position in professional (ethics of science), public and private life (ethics of responsibility). Transcending narrowly specialized views of the world.	
Brief outline of the course:	
Recommended literature: Antológia z diel filozofov. Predsokratovci a Platon. Zost. J. Martinka. Bratislava: Nakladateľstvo EPOCHA 1970; Antológia z diel filozofov. Od Aristotela po Plotina. Zost. J. Martinka. Bratislava: Nakladateľstvo Pravda 1972. Predsokratovci a Platon. Antológia z diel filozofov. Zost. J. Martinka. Bratislava: Vydavateľstvo Iris 1998. Od Aristotela po Plotina. Antológia z diel filozofov. Zost. J. Martinka. Bratislava: Vydavateľstvo IRIS 2006. Anzenbacher, A.: Úvod do filozofie. Prel. K. Šprunk. Praha: SPN 1990. Barthes, R.: Mytologie. Prel. J. Fulka. Praha: Dokořán 2004. Bělohradský, V.: Společnost nevolnosti. Eseje z pozdější doby. Praha: SLON 2009. Benjamin, W.: Iluminácie. Prel. A. Bžoch; J. Truhlářová. Bratislava: Kalligram 1999. Borges, J. L.: Borges ústne. Prednášky a eseje. Prel. P. Šišmišová. Bratislava: Kalligram 2005. Cassirer, E.: Esej o človeku. Prel. J. Piaček. Bratislava: Nakladateľstvo Pravda 1977. Debord, G.: Společnost spektaklu. Prel. J. Fulka; P. Siostrzonek. Praha: Nakladatelství :intu: 2007. Farkašová, E.: Na rube plátna. Bratislava: Vydavateľstvo Spolku slovenských spisovateľov 2013.	

Feyerabend, P.: Věda jako umění. Prel. P. Kurka. Praha: JEŽEK 2004. Freud, S.: Nepokojenost v kultuře. Prel. L. Hošek. Praha: Hynek 1998. Hadot, P.: Co je antická filosofie. Prel. M. Křížová. Praha: Vyšehrad 2017. Hippokratés: Vybrané spisy. Prel. H. Bartoš; J. Černá; J. Daneš; S. Fischerová. Praha: OIKOYMENH 2012. Husserl, E.: Filosofie jako přísná věda. Prel. A. Novák. Praha: Togga 2013. Kuhn, T. S.: Štruktúra vedeckých revolúcií. Prel. J. Viceník. Bratislava: Nakladateľstvo Pravda 1981. Leško, V., Mihina, F. a kol.: Dejiny filozofie. Bratislava. Iris 1993. Leško, V.: Dejiny filozofie I. Od Tálesa po Galileiho. Prešov: v. n. 2004, 2007. Leško, V.: Dejiny filozofie II. Od Bacona po Nietzscheho. Prešov: v. n. 2008. McLuhan, M.: Jak rozumět médiím. Extenze člověka. Prel. M. Calda. Praha: Mladá fronta 2011. Patočka, J.: Duchovní člověk a intelektuál. In: Patočka, J.: Péče o duši III. Praha: OIKOYMENH 2002, s. 355 - 371. Popper, K. R.: Otevřená společnost a její nepřátelé I. Platónovo zařikávání. Prel. M. Calda; J. Moural. Praha: OIKOYMENH 2011. Sloterdijk, P.: Kritika cynického rozumu. Prel. M. Szabó. Bratislava: Kalligram 2013. Störig, H. J.: Malé dějiny filozofie. Prel. P. Rezek. Praha: Zvon 1991. Wittgenstein, L.: Filozofické skúmania. Prel. F. Novosád. Bratislava: Nakladateľstvo Pravda 1979. Wright von, H. G.: Humanizmus ako životný postoj. Prel. M. Žitný. Kalligram 2001. Žižek, S.: Mor fantázií. Prel. M. Gálisová; V. Gális. Bratislava: Kalligram 1998.

Course language:

Notes:

Course assessment

Total number of assessed students: 746

A	B	C	D	E	FX
60.59	14.21	12.6	8.58	3.35	0.67

Provides: doc. PhDr. Peter Nezník, CSc.

Date of last modification: 11.07.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: KF/ IH2/03	Course name: Idea Humanitas 2 (General Introduction)
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 3.	
Course level: II.	
Prerequisites:	
Conditions for course completion: 100% graded credit: 40% (evaluated participation in seminars, processing of partial seminar work - separate assignment) 60% (final seminar work - student project). In the case of implementation of the classical form of teaching - face-to-face - active participation of the student in the seminar; study and reflection of assigned philosophical texts, attempt to interpret them. In the case of the introduction of distance education (as was the case due to Covid-19), the student will have to actively fulfill tasks of a partial nature, where increased demands will be placed on the student and his independent work with philosophical texts and literature. Tasks will be assigned to the students by the teacher on an ongoing basis. The student must study the assigned philosophical texts, think through and process them, submit them as a seminar paper, i.e. in written form. In both cases, the study of literature is necessary to pass the subject. The conclusion of the subject is the preparation of a seminar paper - the final seminar paper - in the range of at least 10 - 12 pages of A4 (with compliance with the bibliographic standard of the Department of Philosophy (KF) for seminar and qualification papers).	
Learning outcomes: To supplement and expand the interest of natural science students in social science issues related to the issues of the development of philosophy, science and human leadership, which are manifested in the urgent problems of today's world and society. Special emphasis is placed on the formation of humanistic ideas, their origin, transformation and possible pitfalls and risks. In addition to thinking about serious questions of the past and present, it also includes thinking about the present and the current contexts of major topics in philosophy and Western culture in particular. Therefore, the preparation and implementation of a program aimed at cooperation with alternative directions of pedagogy in the conditions of our transforming education system is understood as a practical output.	
Brief outline of the course: The age of the image of the world. Doubt as a principle of philosophy. The emergence of the image of the world (Weltbild); the differences of ancient theoria, medieval scientia, the emergence of mathematical natural science. Science as an operation (Betrieb); institutionalization of science. Philosophy, science and the modern world. The movement of human life: acceptance, defense, freedom as struggle, submission to finitude. The modern world and the search for meaning. Bureaucracy, impersonality, predominance of technocratic approaches. Fatigue as a modern threat	

to Europe. The paths to freedom lead through the rediscovery of one's own Self and creativity. The basic condition for the educability of any education is the care of the soul. The crisis of European humanity. Antiquity. Philosophy - the emergence of a special community of people, the beginnings of education - paideia. The winding road of leadership. The origin and birthplace of calculating thinking. Europe and the post-European era. Care of the soul as a basic idea of Patočka's philosophy. The difference in the position of Plato and Democritus in understanding the care of the soul. The idea of caring for the soul and Aristotle.

Recommended literature:

Hadot, P.: What is ancient philosophy. Transl. M. Křížová. Prague: Vyšehrad 2017. Hegel, G. W. F.: Phenomenology of Spirit. Prague: NČSAV 1960 Husserl, E.: The Crisis of European Humanity and Philosophy. In: Crisis of European sciences and transcendental phenomenology. Prague: Academie 1996. Mokrejš, A.: Eros as a Theme of Greek Thought. Prague: Triton 2009. Patočka, J.: Péče o duši I. Prague. OIKOYMENH 1996. Patočka, J.: Care of the soul II. Prague. OIKOYMENH 1999. Vernant, J.-P.: The beginnings of Greek thought. Prague: OIKOYMENH 1995. Wright von, G.H.: Humanism as a life attitude. Bratislava: Kalligram 2001.

Course language:

Notes:

Course assessment

Total number of assessed students: 12

A	B	C	D	E	FX
91.67	8.33	0.0	0.0	0.0	0.0

Provides: doc. PhDr. Peter Nezník, CSc.

Date of last modification: 24.08.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ISU/21		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 ECTS credits: 5					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 11					
A	B	C	D	E	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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ISU/12		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 ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 243					
A	B	C	D	E	FX
62.14	21.4	7.0	7.82	1.65	0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Ondrej Tokarčík					
Date of last modification: 20.09.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZAE2/18		Course name: International Excursion 2			
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 credits: 5					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 50					
A	B	C	D	E	FX
42.0	18.0	16.0	16.0	8.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ KVA/15		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 ECTS credits: 4					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 370					
A	B	C	D	E	FX
45.95	30.81	16.22	5.68	1.35	0.0
Provides: doc. Ing. Katarína Bónová, PhD.					
Date of last modification: 30.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ KVA1/21		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 ECTS credits: 5					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 11					
A	B	C	D	E	FX
54.55	27.27	18.18	0.0	0.0	0.0
Provides: doc. Ing. Katarína Bónová, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ KEP/08		Course name: Landscape-ecological planning			
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: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Landscape planning optimizes economic 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 assessment Total number of assessed students: 144					
A	B	C	D	E	FX
5.56	15.97	23.61	27.08	27.08	0.69
Provides: RNDr. Dušan Barabas, CSc., Mgr. Imrich Sládek, PhD.					
Date of last modification: 24.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ LOS/18		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 ECTS credits: 3					
Recommended semester/trimester of the course: 3.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 64					
A	B	C	D	E	FX
62.5	34.38	3.13	0.0	0.0	0.0
Provides: doc. Mgr. Michal Gallay, PhD., prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Michaela Nováková					
Date of last modification: 30.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ MLK/21		Course name: Migration and human capital			
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: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 4					
A	B	C	D	E	FX
25.0	50.0	25.0	0.0	0.0	0.0
Provides: Mgr. Loránt Pregi, PhD., doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ PHR/11	Course name: Natural hazards and risks
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course: 3.	
Course level: II.	
Prerequisites:	
Conditions for course completion: A student has to compile one semestral work with a submission in the last semester week (20 points) and two partial works (10 points) during the semester. The semestral work will be counted as 20% to the total exam points. The written exam will count together with semestral work points (together 100%). The student managed successfully the exam if he has more than 51% in total. The subject will be taught also by the distance forms.	
Learning outcomes: After this subject graduation the student should to be fammiliar with all important natural hazards, that influence human beying and consequences huge economic and social damage. The student should know all different origin factors and should be able to evaluate model situation and case studies. At the same time, he will acquire practical skills in working with GIS in modeling and evaluation of natural threats in model areas, acquire communication skills in working with a partner in solving model crisis situations and will work with various databases of highly up-to-date information and data.	
Brief outline of the course: The subject deals with hazards and risk as f.e. earthquakes and secondar hazards, tsunami, volcanoes and volcanism, relief forms, volcanic hazards and case studies. In next semester weeks we are deals with other types of hazards that are typical for Slovakia also, landslides, rock collapses, subsidence, foods, avalanches and collapses in karstic or non-karstic areas. Many hazards are really important but not well known - so we are talking about soil hazards (devaluation and erosion) also. In long term period and importance for human beying these hazards are the most important. During the semester we will pay attention on these topics: <ol style="list-style-type: none"> 1. main terms, tektonic movements 2. earthquakes and secondary hazards 3. tsunami as a natural hazards and risk for a human 4. volcanoes and volcanism, relief forms, volcanic hazards and case studies 5. Water and wind erosion 6. Landslides and other dynamic processes 7. Subsidence, karstification and liquification of sediments 	

8. Avalanches
9. Floods as an very important hazard for human settlements
10. Natural fires
11. Atmospheric natural hazards and classification
12. Hurricanes

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: 159

A	B	C	D	E	FX
23.27	30.19	25.79	15.09	3.77	1.89

Provides: RNDr. Alena Gessert, PhD., Mgr. Imrich Sládek, PhD., Mgr. Jozef Šupinský, PhD.

Date of last modification: 24.11.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚFV/ FPG/15	Course name: Physics 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: 5	
Recommended semester/trimester of the course: 1.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Two writing exams are compulsory within semester student work, with max. 55 points. Three selected questions are involved in the oral exam, with max. 45 points. Final subject evaluation is based on total obtained points, as follows: A (100 - 90), B (89-80), C (79-70), D (69-60), E (59-50), F (49-0).	
Learning outcomes: The student understands the importance of basic physical concepts, he (she) can characterize selected physical phenomena. The student will acquire the ability to argue based on own physics knowledge and skills, clarify the nature of problems and describe the conditions and factors which influenced on processes studied at geography.	
Brief outline of the course: 1. Mechanics in 3D (Space localisation, signal processing, accuracy of localisation, relativistic effects, motion in Earth crust, friction, gravitational force effect, inertial forces effect) 2. Mechanics of rigid bodies (Stability of constructions, Rotation air mass - tornado, impact of high pressure) 3. Hydromechanics (Sea current, Flowing river, Tides, Melting of floating iceberg, Air stream force) 4. Thermodynamics (Thermal exchange, Greenhouse effect – physical reason) 5. Electromagnetism (Atmospheric electricity, lightning protection, Hydromagnetic dynamo theory, Space weather) 6. Oscillations and waves (Vibrations a their destructive action, Seismic waves, Doppler effect and space localisation of sound source)	
Recommended literature: Walker, J.: The Flying Circus of Physics, John Wiley&Sons, ISBN: 978-0-471-76273-7, 2007 Halliday, D., Resnick, R., Walker, J.: Fyzika 1-5, Akademické nakladatelství, VUTIUM, ISBN: 8021418680, 2007	

Moore, T., A.: Six Ideas That Shaped Physics, McGraw-Hill Science/Engineering/Math, ISBN: 978-0072397147, 2007 Chabay, R., Sherwood, B.: Matter and Interactions, John Wiley&Sons, ISBN: 978-0-470-50347-8, 2011					
Course language: Slovak, English					
Notes:					
Course assessment Total number of assessed students: 26					
A	B	C	D	E	FX
42.31	38.46	11.54	7.69	0.0	0.0
Provides: doc. RNDr. Marián Kireš, PhD.					
Date of last modification: 03.05.2015					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ PVS/21		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 ECTS credits: 4					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 1					
A	B	C	D	E	FX
0.0	0.0	100.0	0.0	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD., RNDr. Janetta Nestorová-Dická, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ OPX/15	Course name: Professional Internship
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 credits: 4	
Recommended semester/trimester of the course: 3.	
Course level: II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment	
Total number of assessed students: 246	
abs	n
100.0	0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Marián Kulla, PhD.	
Date of last modification: 03.05.2015	
Approved: prof. Mgr. Jaroslav Hofierka, PhD.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ PPG/15		Course name: Prognostics and prognosis			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 149					
A	B	C	D	E	FX
28.86	25.5	32.21	8.05	4.03	1.34
Provides: RNDr. Janetta Nestorová-Dická, PhD., prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 30.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: KPPaPZ/PPZMg/12	Course name: Psychology and Health Psychology (Master's Study)
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course:	
Course level: II.	
Prerequisites:	
Conditions for course completion: Conditions for the continuous assessment during the semester: Active work (maximum 5 points, 2 absences are allowed). Preparation, presentation and discussion on a selected topic - max. 15 points. Written examination (maximum 30 points). Conditions for admission to the exam: min. 25 points. Conditions for the final assessment: Exam: written form (max. 50 points, min. 25 points) Conditions for successful completion of the course: participation in lessons, fulfillment of assignments and at least 66 points from the overall evaluation. Detailed information in the electronic bulletin board of the course in AIS2. The teaching of the subject will be realized by a combined method.	
Learning outcomes: The student will understand the basic concepts and theories of health psychology, can explain salutogenic factors as well as the consequences of risk behavior related to health. He is able to apply the knowledge especially in the field of prevention of burnout syndrome and support of mental health in the work of a teacher.	
Brief outline of the course: 1 Introduction to health psychology 2 Psychoimmunology 3 Personality factors and health 4 Social support as a protective factor in relation to health 5 Subjective well-being 6 Stress and stressful situations and ways to manage them 7 Burnout syndrome 8 Health-promoting behavior, mental hygiene 9 Health risk behavior 10 School as an important factor of health	
Recommended literature: Křivohlavý, J.: Psychologie zdraví. Portál, Praha 2001.	

Křivohlavý, J.: Psychologie nemoci. Grada, Praha, 2002.
 Křivohlavý, J.: Psychologie moudrosti a dobrého života. Grada, Praha, 2009.
 Kebza, V.: Psychosociální determinanty zdraví. Academia, Praha 2005.
 Kahneman, D., Diener, E., Schwarz, N.(Eds), Well-Being. The Foundations of Hedonic Psychology. New York, Russell Sage Foundation, 2003.
 Kaplan, R. M.: Zdravie a správanie človeka. SPN, Bratislava 1996.
 Sarafino, E. P.: Health Psychology. Biopsychosocial interactions. John Wiley and sons 1994.
 Baštecký, J., Šavlík, J., Šimek, J. 1993. Psychosomatická medicína. Praha: Grada
 Tress, W., Krusse, J., Ott, J.: Základní psychosomatická péče. Portál, Praha 2008.

Course language:

slovak

Notes:

Course assessment

Total number of assessed students: 226

A	B	C	D	E	FX
19.47	25.22	25.66	13.27	15.93	0.44

Provides: PhDr. Anna Janovská, PhD., Mgr. Lucia Barbierik, PhD.

Date of last modification: 07.07.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ AFAU/21		Course name: Regional Geography of Africa and Australia			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 39					
A	B	C	D	E	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. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ AFAU1/15	Course name: Regional Geography of Africa and Australia
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: 3	
Recommended semester/trimester of the course: 2.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Exam. Only students who reached weighted average of continuous grading at least 60% may sign up for the final exam. Continuous grading consists of written tests and orientation in the blank maps (70% of continuous grading) and the presentation of assigned topic (30%). At the final grading, the weight of exam is 70% and the weight of continuous grading is 30%). 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: Student acquires comprehensive knowledge of the continents and their regions, understands the geographic phenomena and is able to interpret them in a context of wider vertical and horizontal relations with other geographic phenomena.	
Brief outline of the course: Basic geographic definition and relief in Africa, Australia and Oceania; 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 and 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.	
Recommended literature: HOBBS, J. J. 2010: Fundaments of World Regional Geography, 2nd edition. Belmont (Brooks/ Cole), 438 p.	

DE BLIJ, H. J. et al: 2013: The World Today - Concepts and Regions in Geography, 6th edition. New York (Wiley), 528 p.
 KOVÁŘ, M. 2004: Afrika a Arabský poloostrov. Ostrava (Ostravská Univerzita, Přírodovědecká fakulta), 71 s.
 ČEMAN, R. 2006: Zemepisný atlas Svet. Bratislava (Mapa Slovakia), 256 s.
 EPERJEŠI, M. 2007: Vybrané problémy Afriky na začiatku 21. storočia, diplomová práca, dostupné on-line na: <http://diplomovka.sme.sk/zdroj/3202.pdf>, 98 s.
 LIPKOVÁ, Ľ. 2000: Medzinárodné hospodárske vzťahy. Bratislava (Sprint), 238 s.

Course language:
 Slovak and English

Notes:

Course assessment

Total number of assessed students: 496

A	B	C	D	E	FX
23.79	25.4	26.01	15.73	8.67	0.4

Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Veronika Ondová

Date of last modification: 01.04.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ AZG/21		Course name: Regional Geography of Asia			
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: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 39					
A	B	C	D	E	FX
30.77	23.08	35.9	10.26	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ AZG1/15	Course name: Regional Geography of Asia
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: 3	
Recommended semester/trimester of the course: 1.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Exam. Only students who reached weighted average of continuous grading at least 60% may sign up for the final exam. Continuous grading consists of written tests and orientation in the blank maps (70% of continuous grading) and the presentation of assigned topic (30%). 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 70% and the weight of continuous grading is 30%. 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: Student acquires comprehensive knowledge of the continent and its regions, understands the geographic phenomena and is able to interpret them in a context of wider vertical and horizontal relations with other geographic phenomena.	
Brief outline of the course: Basic geographical definition and relief in Asia (location of continent, tectonic movements and shaping of recent forms of continent, geological evolution, minerals and formation of current relief, basic geomorfological units); Geographic conditions of climate and hydrosphere (the influence of individual factors in shaping climatic conditions, basic climatic zones, river system, drainage areas, endorheic basins, lakes); Pedo-geographic and bio-geographic conditions (soil types and their geographical distribution, phyto-geographical regions, vegetation zones, zoo-geographical 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.	

Recommended literature:

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

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

OCE 2019: Countries, Rankings, Visualizations. 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.

GURŇÁK, D., et al. 2014: Geografia Ázie. Bratislava (Univerzita Komenského).

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

GENCER, E. A. H., GERNI, C. (eds.) 2012: Central Asian Economies in Transition. Cambridge (Cambridge Scholars Publishing).

HOBBS, J. J. 2010: Fundamentals of World Regional Geography, 2nd edition. Belmont (Brooks/Cole), 438 p.

WEIGHTMAN, B. 2010: Dragons and Tigers – A Geography of South, East and Southeast Asia, 3rd edition. Hoboken (Wiley), 523 p.

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

RÁCOVÁ, A. (ed.) 2006: Štát a náboženstvo v Ázii a Afrike. Bratislava (Ústav orientistiky SAV), 233 s.

SLOBODNÍK, M., KOVÁCS, A. (ed.) 2006: Politická moc versus náboženská autorita v Ázii. Bratislava (Chronos), 303 s.

Course language:

Slovak and English

Notes:**Course assessment**

Total number of assessed students: 352

A	B	C	D	E	FX
17.61	24.43	26.99	19.03	11.65	0.28

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

Date of last modification: 20.09.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ RRT/18	Course name: Regional Geography, Regionalization and Taxonomy
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: 1.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Exam aimed to the verification of acquired theoretical knowledge and practical skills. Its weight in the final grading is 70%. Remaining 30% are results of continuous grading. It consists of student's activity at the lessons considered as results of assignments (15%), written tests (25%) and the presentation of assigned topic (60%). Only students who reached weighted average of continuous grading at least 60% may sign up for the final exam. 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: Deepened knowledge about the characteristics of regional geography and their evolution in relation with the development of geographic knowledge and thinking, clarifying the concept of region as an object of regional geography, approaches to the delimitation and cognition of the regions at different spatial levels. Acquired practical experience with various forms of regionalization and the regional taxonomy.	
Brief outline of the course: Regional geography is one of the oldest geographic disciplines. Its position and importance, however, under the influence of new knowledge and the development of geographic thinking has been changing significantly. During the semester, the history and changing nature of regional geography is clarified (lectures 1&2) as well as recent meaning and understanding of regional geography (lectures 3&4). Students familiarize with various approaches to the regional-geographic research (lecture 5) and basic methods of regional geography (lectures 6&7). The basic characteristics of regionalization and regional taxonomy and their contribution to the current geographic knowledge are explained (lectures 8&9). Following information on regional taxonomy, the concept of functional urban regions will be explained and its application in Slovakia introduced (lectures 10&11). Regionalisation NUTS and its significance for application of the EU development policies will be explained (lectures 12&13). Practice with the application of regionalization and regional taxonomy.	
Recommended literature: BAŠOVSKÝ, O., LAUKO, V. 1990: Úvod do regionálnej geografie. Bratislava (SPN), 119 s.	

<p>BEZÁK, A. 2000: Funkčné mestské regióny na Slovensku. Geographia Slovaca, 15. Bratislava (Geografický ústav SAV), 89 s.</p> <p>BEZÁK, A. 1993: Problémy a metódy regionálnej taxonómie. Geographia Slovaca, 3. Bratislava (SAV), 96 s.</p> <p>GURŇÁK, D., BLAŽÍK, T., LAUKO, V. 2007: Úvod do politickej geografie, geopolitiky a regionálnej geografie. Bratislava (Geografika), 140 s.</p> <p>HALÁS, M., KLAPKA, P., BLEHA, B., BEDNÁŘ, M. 2014: Funkčné regióny na Slovensku podľa denných tokov do zamestnania. Geografický časopis 66, 89 – 114.</p> <p>KRAFT, S., MARADA, M., POPJAKOVÁ, D. 2014: Delimitation of nodal regions based on transport flows: case study of the Czech Republic. Quaestiones Geographicae 33, 139 – 150.</p> <p>LAUKO, V., KASALA, K. 2009: Teória a metodológia regionálnej geografie. Bratislava (Kartprint), 96 s.</p> <p>LUKNIŠ, M. 1985: Regionálne členenie SSR z hľadiska jej racionálneho rozvoja. Geografický časopis 37, 2-3, 137-163.</p> <p>MEČIAR, J. 2007: Obecná regionálna geografie I. Brno (Masarykova univerzita), 140 s.</p>					
Course language:					
Slovak					
Notes:					
Course assessment					
Total number of assessed students: 32					
A	B	C	D	E	FX
9.38	9.38	34.38	40.63	6.25	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD., prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 28.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ RRT1/21		Course name: Regional Geography, Regionalization and Taxonomy			
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: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 10					
A	B	C	D	E	FX
20.0	30.0	30.0	20.0	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 22.04.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ RSS/21		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 ECTS credits: 3					
Recommended semester/trimester of the course: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD., Mgr. Marián Kulla, PhD., RNDr. Janetta Nestorová-Dická, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ AMG/21		Course name: Regional geography of America			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 18					
A	B	C	D	E	FX
27.78	27.78	33.33	5.56	5.56	0.0
Provides: doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ AMG/13	Course name: Regional geography of America
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: 3	
Recommended semester/trimester of the course: 3.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Exam. Only students who reached weighted average of continuous grading at least 60% may sign up for the final exam. Continuous grading consists of written tests and orientation in the blank maps (70% of continuous grading) and the presentation of assigned topic (30%). At the final grading, the weight of exam is 70% and the weight of continuous grading is 30%). 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: Student acquires comprehensive knowledge of the continent and its regions, understands the geographic phenomena and is able to interpret them in a context of wider vertical and horizontal relations with other geographic phenomena.	
Brief outline of the course: Basic geographical definition and relief in Americas (location of continent, tectonic movements and shaping of recent forms of continent, geological evolution, minerals and formation of current relief, basic geomorphological units); Geographic conditions of climate and hydrosphere (the influence of individual factors in shaping climatic conditions, basic climatic zones, river system, drainage areas, endorheic basins, lakes); Pedo-geographic and bio-geographic conditions (soil types and their geographical distribution, phyto-geographical regions, vegetation zones, zoo-geographical 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.	
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, Visualizations. 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 edition. New York (Wiley), 528 p.

HARDWICK, S., SHELLEY, F., HOLTGRIEVE, D. 2013: The Geography of North America – Environment, Culture, Economy, 2nd edition. Glenview (Pearson), 428 p.

HOBBS, J. J. 2010: Fundamentals of World Regional Geography, 2nd edition. Belmont (Brooks/Cole), 438 p.

VEBLEN, T., YOUNG, K., ORME, A. eds. 2007: The Physical Geography of South America. Oxford (University Press), 361 p.

KENT, R. B. 2006: Latin America – Regions and People. New York (The Guilford Press), 422 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: 296

A	B	C	D	E	FX
14.86	35.81	32.09	10.14	7.09	0.0

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

Date of last modification: 22.09.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ DPZ/15	Course name: Remote Sensing
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: II.	
Prerequisites:	
Conditions for course completion: During the semester, students will need to hand in the outputs of the practicals. The resulting assessment is based on the final exam, which the student can undertake if he/she handed in all the required outputs of the practical according to the given criteria. The final exam is a combination of a written test and an oral examination. The student must obtain at least 90 points to get the A mark, at least 80 points to get B, at least 70 points to get C, at least 60 points to get D, at least 50 points to get E. The credits shall not be granted to a student who does not hand in one or more outputs of the practicals or he/she will get less than 50 points out of 100.	
Learning outcomes: The learning outcomes comprise knowledge on remote sensing methods, ability to judge appropriateness of particular remote sensing methods for geographical applications, skills of processing the remote sensing data and their interpretation.	
Brief outline of the course: Lectures: Introduction, key concepts, historical background of remote sensing methods. Physical principles –electromagnetic energy (EME), its properties and spectral characteristics. Interaction of EME – scattering, spectral behaviour, absorption. Spectral, temporal, spatial and radiometric resolution. Analogue image interpretation. Global navigation satellite systems. Phtogrammetry. Multispectral scanning. Active systems. Airborne laser scanning. Terrestrial laser scanning. Radar remote sensing. Practicals: Web-based data sources of remotely sensed data. Physical properties of the EME. Spectral behaviours of particular objects. Geometric parameters of aerial imagery. Planning an airborne photogrammetric and laser scanning mission. Image adjustment and false colour composite imagery. Supervised and unsupervised image classification. The work on practicals expects basic GIS skills.	
Recommended literature: ŽELEZNÝ, M. (2012): Dálkový průzkum Zěme (skriptá), Západočeská univerzita v Plzni, Katedra kybernetiky. 93 s. URL: http://www.kky.zcu.cz/uploads/courses/dpz/DPZ-prednasky.pdf	

<p>CANADIAN CENTRE FOR REMOTE SENSING (2012): Fundamentals of Remote Sensing (učebný text v angličtine, in English), 256 s. URL: http://www.nrcan.gc.ca/earth-sciences/geography-boundary/remote-sensing/fundamentals/1430.</p> <p>BITTERER, L. (2005): Fotogrametria. Interné učebné texty z geodézie, fotogrametrie, katastrálneho mapovania. URL: http://svf.uniza.sk/kgd/literatura.html</p> <p>HALOUNOVÁ L., PAVELKA K. (2005): Dálkový průzkum Země. Skriptá, ČVUT Praha, ISBN 80-01-03124-1. 192 s.</p> <p>ŽÍHLAVNÍK, Š., SCHEER, E., 2001: Dálkový prieskum Zeme v lesníctve. TU Zvolen, 289 s.</p> <p>KOLÁŘ J., HALOUNOVÁ L., Pavelka K. (1997): Dálkový průzkum Země. Skriptá, ČVUT Praha, 164 s.</p> <p>DOBROVOLNÝ, P. (1998). Dálkový průzkum Země. Digitální zpracování obrazu. Masarykova Univerzita, Brno.</p> <p>LILLESAND, T.M., KIEFER, R.W., CHIPMAN, J.W. (2015). Remote Sensing and Image Interpretation. 7. Vydanie, New York, USA (Wiley), 756 s.</p> <p>JENSEN, R. J. (2006): Remote Sensing: An Earth Resource Perspective. 2. vydanie, New Jersey, USA (Prentice Hall), 608 s.</p> <p>CAMPBELL, J.B., WYNNE, R.H. (2011). Introduction to Remote Sensing. New York, USA (Guilford), 667 s.</p>						
Course language:						
Slovak, Czech, English						
Notes:						
Course assessment						
Total number of assessed students: 169						
A	B	C	D	E	FX	
23.08	26.63	34.32	10.65	4.73	0.59	
Provides: doc. Mgr. Michal Gally, PhD., Mgr. Katarína Onáčillová, PhD., Bc. Daniela Laubertová						
Date of last modification: 16.09.2017						
Approved: prof. Mgr. Jaroslav Hofierka, PhD.						

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ RUR/15		Course name: Rural Geography			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 359					
A	B	C	D	E	FX
39.55	32.87	18.11	6.69	2.23	0.56
Provides: Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD., Bc. Martina Gregáňová, doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 01.04.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ ÚTVŠ/CM/13	Course name: Seaside Aerobic Exercise
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.	
Prerequisites:	
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.	

2. ČECHOVSKÁ, I., MILEROVÁ, H., NOVOTNÁ, V. Aqua-fitness. Praha: Grada. 136 s.
3. EVANS, M., HUDSON, J., TUCKER, P. 2001. Umění harmonie: meditace, jóga, tai-či, strečink. 192 s.
4. JARKOVSKÁ, H., JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. 209 s.
5. 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.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ SGE/08	Course name: Social geography
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: 1.	
Course level: I., II.	
Prerequisites:	
Conditions for course completion: Participation in exercises, presentation of seminar topics (1 or 2 topics for student during the semester) and a group discussion, successful graduation the final test. Credits will not be awarded to students, who will not have successfully processed and presented the given topic and will not be actively participate in discussions and does not pass the final test min. to 60%.	
Learning outcomes: Students know how to verbally express and critical thinking to social issues, social inequality - its origin, spatial distribution.	
Brief outline of the course: Social geography is a scientific discipline that examines the company geographically. We will be solve social problems which related to geography - Urban social geography and urban lifestyle factors, racism, ethnicity, major and minor company, congregation and segregation in cities, social inequality and place.	
Recommended literature: DŽAMBAZOVIČ, R. 2007: Chudoba a jej dimenzie na Slovensku. Bratislava, Univerzita Komenského, 232 s. GAJDOŠ, P. 2002: Mesto a jeho vývoj v sociálno-priestorových a civilizačných súvislostiach. Sociológia, 34, 4, 305-326. KOLLÁR, D. 1992: Sociálna geografia a problematika výskumu priestorového správania človeka. Geografický časopis 44, 2, 149-173. MATLOVIČ, R. 1996: Sociálno-ekologická orientácia geografického bádania intraurbánnych štruktúr a jej slovenské reflexie. Geografický časopis, 48, 3-4, 271-284. ROCHOVSKÁ, A., HORŇÁK, M. 2008: Chudoba a jej percepcia v marginálnych regiónoch Slovenska. < http://geografia.science.upjs.sk/images/geographia_cassoviensis/articles/GC-2008-2-1/Rochovska_Hornak.pdf > SIROVÁTKA, T., ed. 2004: Sociální exkluze a sociální inkluze menšin a marginalizovaných skupin. Brno, Masarykova univerzita, Fakulta sociálních studií, nakladatelství Georgetown, 237 s.	

Course language: Slovak, English					
Notes:					
Course assessment Total number of assessed students: 151					
A	B	C	D	E	FX
43.05	20.53	12.58	9.27	13.25	1.32
Provides: RNDr. Janetta Nestorová-Dická, PhD.					
Date of last modification: 30.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: KPPaPZ/SPVKE/07	Course name: Social-Psychological Training of Coping with Critical Life Situations	
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: 2.		
Course level: II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 126		
abs	n	z
97.62	2.38	0.0
Provides: Mgr. Ondrej Kalina, PhD.		
Date of last modification: 24.06.2022		
Approved: prof. Mgr. Jaroslav Hofierka, PhD.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ PAM/18		Course name: Spatial analyses and modelling			
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: 5					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 112					
A	B	C	D	E	FX
58.93	25.0	8.93	6.25	0.89	0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Jozef Šupinský, PhD., doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 22.02.2018					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ PAM1/21	Course name: Spatial analyses and modelling
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: II.	
Prerequisites:	
Conditions for course completion: <p>The evaluation is based on a combination of continuous tests in the lecture, submitted technical reports submitted at the exercises and the final exam. From the point of view of the organization of the subject, first the individual topics are taught at the theoretical and methodological level in lectures and then they are demonstrated in exercises on selected case studies and tasks.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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%).</p>	
Learning outcomes: <p>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.</p> <p>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.</p>	

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: 11

A	B	C	D	E	FX
36.36	36.36	9.09	0.0	9.09	9.09

Provides: doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 23.11.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ PDS/21		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 ECTS credits: 5					
Recommended semester/trimester of the course: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 15					
A	B	C	D	E	FX
20.0	46.67	26.67	0.0	6.67	0.0
Provides: prof. Mgr. Jaroslav Hofierka, PhD., Bc. Daniela Laubertová					
Date of last modification: 22.04.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
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 credits: 3	
Recommended semester/trimester of the course: 4.	
Course level: II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment	
Total number of assessed students: 56	
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.	

COURSE INFORMATION LETTER

University: P. J. Šafárik 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 ECTS credits: 3	
Recommended semester/trimester of the course: 4.	
Course level: II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment	
Total number of assessed students: 6	
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.	
Date of last modification: 27.06.2022	
Approved: prof. Mgr. Jaroslav Hofierka, PhD.	

COURSE INFORMATION LETTER

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 credits: 3	
Recommended semester/trimester of the course: 4.	
Course level: II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
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.	
Date of last modification: 27.06.2022	
Approved: prof. Mgr. Jaroslav Hofierka, PhD.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ TVa/11	Course name: Sports Activities 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: 1.	
Course level: I., I.II., II.	
Prerequisites:	
Conditions for course completion: Min. 80% of active participation in classes.	
Learning outcomes: Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.	
Brief outline of the course: Brief outline of the course: Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess. In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness. In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.	
Recommended literature: BENCE, M. et al. 2005. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. [online] Dostupné na: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 BUZKOVÁ, K. 2006. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN 8024715252. JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308. KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027.	

KRESTA, J. 2009. Futsal. Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345.
 LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902.
 SNER, Wolfgang. 2004. 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: 14548

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
86.46	0.07	0.0	0.0	0.0	0.05	8.41	5.02

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

Date of last modification: 29.03.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ TVb/11	Course name: Sports Activities II.
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: 2.	
Course level: I., I.II., II.	
Prerequisites:	
Conditions for course completion: active participation in classes - min. 80%.	
Learning outcomes: Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.	
Brief outline of the course: Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess. In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness. In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.	
Recommended literature: BENEC, M. et al. 2005. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. [online] Dostupné na: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 BUZKOVÁ, K. 2006. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN 8024715252. JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308. KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027. KRESTA, J. 2009. Futsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345.	

LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902.
 SNER, Wolfgang. 2004. 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: 13211

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
84.35	0.51	0.02	0.0	0.0	0.05	10.78	4.29

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

Date of last modification: 29.03.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ TVc/11	Course name: Sports Activities III.
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 3.	
Course level: I., I.II., II.	
Prerequisites:	
Conditions for course completion: min. 80% of active participation in classes	
Learning outcomes: Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.	
Brief outline of the course: Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess. In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness. In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.	
Recommended literature: BENČE, M. et al. 2005. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. [online] Dostupné na: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 BUZKOVÁ, K. 2006. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN 8024715252. JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308. KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027. KRESTA, J. 2009. Futsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345.	

LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902.
 SNER, Wolfgang. 2004. 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: 8879

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
88.62	0.07	0.01	0.0	0.0	0.02	4.25	7.03

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

Date of last modification: 29.03.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ TVd/11	Course name: Sports Activities IV.
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., I.II., II.	
Prerequisites:	
Conditions for course completion: min. 80% of active participation in classes	
Learning outcomes: Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.	
Brief outline of the course: Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess. In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness. In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.	
Recommended literature: BENEC, M. et al. 2005. Plávanie. Banská Bystrica: FHV UMB. 198s. ISBN 80-8083-140-8. [online] Dostupné na: https://www.ff.umb.sk/app/cmsFile.php?disposition=a&ID=571 BUZKOVÁ, K. 2006. Fitness jóga, harmonické cvičení těla I duše. Praha: Grada. ISBN 8024715252. JARKOVSKÁ, H, JARKOVSKÁ, M. 2005. Posilování s vlastním tělem 417 krát jinak. Praha: Grada. ISBN 9788024757308. KAČÁNI, L. 2002. Futbal:Tréning hrou. Bratislava: Peter Mačura – PEEM. 278s. ISBN 8089197027. KRESTA, J. 2009. Futsal.Praha: Grada Publishing, a.s. 112s. ISBN 9788024725345.	

LAWRENCE, G. 2019. Power jóga nejen pro sportovce. Brno: CPress. ISBN 9788026427902.
 SNER, Wolfgang. 2004. 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: 5628

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
82.66	0.28	0.04	0.0	0.0	0.0	8.05	8.97

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

Date of last modification: 29.03.2022

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ SUP/18		Course name: Strategic and Territorial Planning			
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: 4.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 43					
A	B	C	D	E	FX
23.26	41.86	18.6	6.98	9.3	0.0
Provides: Mgr. Loránt Pregi, PhD., doc. Mgr. Ladislav Novotný, PhD., doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 08.02.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ 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 ECTS credits: 5					
Recommended semester/trimester of the course: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 5					
A	B	C	D	E	FX
20.0	80.0	0.0	0.0	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.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ SEDK/15		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 ECTS credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 131					
A	B	C	D	E	FX
83.97	15.27	0.76	0.0	0.0	0.0
Provides: Mgr. Imrich Sládek, PhD.					
Date of last modification: 28.08.2020					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ SEDK/21		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 ECTS credits: 4					
Recommended semester/trimester of the course: 3.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. Ing. Katarína Bónová, PhD., Mgr. Imrich Sládek, PhD.					
Date of last modification: 22.04.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ SVGG/15		Course 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 credits: 4					
Recommended semester/trimester of the course: 2., 4.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 210					
A	B	C	D	E	FX
99.52	0.0	0.0	0.0	0.0	0.48
Provides: doc. Mgr. Michal Gallay, PhD.					
Date of last modification: 01.12.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ LKSp/13	Course name: Summer Course-Rafting of TISA River
Course type, scope 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.	
Prerequisites:	
Conditions for course completion: Completion: passed Condition for successful course completion: - active participation in line with the study rule of procedure and course guidelines - effective performance of all tasks: carrying a canoe, entering and exiting a canoe, righting a canoe, paddling	
Learning outcomes: Content standard: The student 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: - implement the acquired knowledge in different situations and practice, - implement basic skills to manipulate a canoe on a waterway, - determine the right spot for camping, - prepare a suitable material and equipment for camping.	
Brief outline of the course: Brief outline of the course: 1. Assessment of difficulty of waterways 2. Safety rules for rafting 3. Setting up a crew 4. Practical skills training using an empty canoe 5. Canoe lifting and carrying 6. Putting the canoe in the water without a shore contact 7. Getting in the canoe 8. Exiting the canoe 9. Taking the canoe out of the water 10. Steering a) The pry stroke (on fast waterways) b) The draw stroke	

11. Capsizing 12. Commands	
Recommended literature: 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#!ZGDjBGR2AQtkAzVkAzLkLJWuLwWxZ2ukBRLjnGqSomICMmOyZN==	
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.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ USE/08		Course name: Territorial systems of ecological stability			
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.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Supraregional and regional System of Ecological Stability, its parts and methods of production. Important ecological landscape segments. genofond sites, abiocomplexes and their evaluation, elementary gravitational areas assessment (microwatersheds), potential risks such as floods, earthquakes, positive factors, negative factors, potential and real vegetation, regional classification of ecological stability.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 141					
A	B	C	D	E	FX
75.18	11.35	7.09	2.84	2.84	0.71
Provides: RNDr. Dušan Barabas, CSc.					
Date of last modification: 24.09.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ BLS/21		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 ECTS credits: 4					
Recommended semester/trimester of the course: 1.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 8					
A	B	C	D	E	FX
50.0	37.5	0.0	0.0	0.0	12.5
Provides: doc. RNDr. Ján Kaňuk, PhD.					
Date of last modification: 19.11.2021					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ BLZ/18	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 ECTS credits: 4	
Recommended semester/trimester of the course: 1.	
Course level: II.	
Prerequisites:	
Conditions for course completion: Active participation in practicals and continuous control, which includes: Participation in field works 1 semestral work prepared based on assignments and skills acquired during the practicals focused on the processing of photographs from cameras, the generation of orthophotomosaics and point clouds, and the evaluation of data quality and its presentation 1 written test The content of the ongoing assessment is focused on practical skills and calculations within the remote sensing. A student who has successfully completed the semester work and its results and obtained a minimum grade level E (min. 50 points out of 100) can apply for the exam. The content of the final exam is focused on the theoretical and methodological aspects of UAS. The final evaluation of the course is the arithmetic average of the evaluation of the semestral work and 1 final exam. Credits will only be awarded to a student who achieves a value of at least 50 or more out of 100 points in each part of the evaluation. The evaluation scheme applies to the evaluation of the continuous control and the final exam: 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: Knowledge: The student will gain knowledge and general overview of the conditions of the UAS flight, which includes the following areas: - Aviation law and air traffic control procedures - General knowledge of aircraft - Aircraft performance and flight planning - Aeronautical meteorology - Operating procedures - Flight basics Furthermore, the student will gain knowledge about the parameters of cameras and data processing from images based on the structure-from-motion algorithm. Skills: The student will learn to prepare the UAS for flight, can plan an flight mission, can perform imaging using UAS, can process data from UAS using specialized software and can evaluate the quality of such data.	

Competences: The student is able to design a procedure for performing aerial measurement work using UAS based on close range photogrammetry, process and analyze photos from non-surveying cameras and evaluate the quality of data, especially orthophotomosaics and point clouds.

Brief outline of the course:

Lectures:

Aviation law and air traffic control procedures; General knowledge of aircraft and UAS specifics; Aeronautical meteorology; Operating procedures; Flight basics and flight planning; Image processing using a structure-from-motion algorithm, Algorithms for automatic image structure recognition; evaluation of data quality obtained based on photogrammetry from UAS, UAS applications

Exercises: part of the exercises is carried out in the field, which involves performing several types of flights using a flight plan, some exercises are carried out in professional classrooms - pre-flight preparation, data processing in specialized software, individual work and consultations for the semester assignment, presentation of the semestral work.

Recommended literature:

MÍŘIJOVSKÝ, J. (2013): Fotogrametrický přístup při sběru geodat pomocí bezpilotných leteckých zařízení. Disertační práce. Univerzita Palackého v Olomouci, Přírodovědecká fakulta, Katedra geoinformatiky. 208 s. URL: <http://theses.cz/id/xnw5oj/00178752-951755287.pdf>
KELLER, L., DVOŘÁK, P., GROTZ, M., GROTZ, K., MEČIAR, M., STANĚK, M., VRBA, L., HODAN, J., HAVELKA, R., JANÍČEK, T., JELÍNEK, A., VECKO, M., ŠULC, J., BARTOŠ, D., DOŠEL, P., TRUSKA, O., VANKO, J. (2011), Učebnica pilota. Svět křídel, Cheb, s.716
ŽELEZNÝ, M. (2012): Dálkový průzkum Zěme (skriptá), Západočeská univerzita v Plzni, Katedra kybernetiky. 93 s. URL: <http://www.kky.zcu.cz/uploads/courses/dpz/DPZ-prednasky.pdf>
CANADIAN CENTRE FOR REMOTE SENSING (2012): Fundamentals of Remote Sensing (učebný text v angličtine, in English), 256 s. URL: <http://www.nrcan.gc.ca/earth-sciences/geography-boundary/remote-sensing/fundamentals/1430>.
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:

Notes:

Course assessment

Total number of assessed students: 38

A	B	C	D	E	FX
36.84	31.58	28.95	2.63	0.0	0.0

Provides: doc. Mgr. Michal Gallay, PhD., doc. RNDr. Ján Kaňuk, PhD., Bc. Eduard Dvorný

Date of last modification: 22.11.2021

Approved: prof. Mgr. Jaroslav Hofierka, PhD.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ URG/21		Course name: Urban and Rural Geography			
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: 2.					
Course level: II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 10					
A	B	C	D	E	FX
20.0	20.0	50.0	10.0	0.0	0.0
Provides: RNDr. Janetta Nestorová-Dická, PhD., doc. Mgr. Ladislav Novotný, PhD.					
Date of last modification: 27.06.2022					
Approved: prof. Mgr. Jaroslav Hofierka, PhD.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ GME/08	Course name: Urban geography
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present	
Number of ECTS credits: 4	
Recommended semester/trimester of the course: 2.	
Course level: II.	
Prerequisites:	
Conditions for course completion: The assessment of student's learning outcomes is carried out through a combination of in-process controls during the instructional part of the semester with an examination during the period of the semester. Monitoring or the continuous check-up consists of 80% of the active participation of the student in the early minutes and it is required to carry out specified tasks successfully. If a student fails a compulsory active participation in teaching and will not solve the task that particular student cannot successfully assign to the exams. The exam consists of a written and an oral part. If a student receives more than 51% in a written part he/she may proceed to the oral examination. If a student fails to demonstrate knowledge within the oral part of the examination, he or she must take both forms of exams again.	
Learning outcomes: The student in general shall acquire theoretical and methodological background in urban geography in general and he/she then implements it to the other regions of the world. in individual regions of the world with the application.	
Brief outline of the course: An introduction to the study of Geography-Urban Geography, the study of the city in the context of social geography, Geography of the city, lines of research and the subject object; The definition of urban/city; The growth of the city; Stages of development of the city-the city, town, post socialist Socialist industrial city, city, city post systems-systems; The spatial structure of intraurban structure, spatial structure of the city, the transformation of the partial classification of the transformation processes; Urban ecology-social space, city space, the redistribution of the population, importers of natural ecology; Urbanization-development stage, factors; World/Global cities; Urban systems; Urban planning; Urban Shrinkage; Urban Land Use Semináre The focus of the course is the discussion on selected issues of the area-urban geography. seminars during the semester in the form of discussions on selected issues of the area-urban geography	
Recommended literature: BEZÁK, A. 1987: Sociálno-priestorová štruktúra Bratislavy v kontexte faktorovej ekológie. Geografický časopis, 39, 3, 272-292. CARTER, H. 1995: The Study of Urban Geography. Fourth edition, Arnold, London, 420 s.	

FERENČUHOVÁ, S. 2011: Meno, mesto, vec. Urbánne plánovanie v sociológii mesta a prípad (post)socialistického Brna. Masarykova univerzita, Medzinárodný politologický ústav, Brno, 275.
 GATES, L. R., STOUT, F. eds. 2003: The City Reader. 3rd Edition, London: Routledge, 520.
 KNOX, P., PINCH, S. 2000: Urban Social Geography: An Introduction (London: Prentice Hall), 375.
 MATLOVIČ, R. 1998: Geografia priestorovej štruktúry mesta Prešov. Geografické práce, roč. VII, č. 1. Fakulta humanitných a prírodných vied Prešovskej univerzity, 122.
 PACIONE, M. 2000: Urban Geography – A Global Perspective. Routledge, 686.
 SÝKORA, L. 2000: Geografie města. Texty k přednáškám na internetové stránce Geografie Města.

Course language:

Notes:

Course assessment

Total number of assessed students: 159

A	B	C	D	E	FX
27.04	20.75	18.87	18.24	15.09	0.0

Provides: RNDr. Janetta Nestorová-Dická, PhD., prof. Mgr. Jaroslav Hofierka, PhD., Bc. Daniela Laubertová

Date of last modification: 29.03.2020

Approved: prof. Mgr. Jaroslav Hofierka, PhD.