CONTENT

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:
To get acquainted with the theoretical principles of 3D (three-dimensional) scanning and to obtain practical experience in using 3D scanners for the terrestrial and object data collection to a spatial visualization in geography and geoinformatics.

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.
Marshal, G. F., 2004: Handbook of optical and laser scanning. NewYork: Marcel Dekker, 2004, 792p., ISBN 08-247-5569-3.
Vosselman, G.& Mass, H. G., 2010: Airborne and terrestrial laser scanning. 1 edition. Boca Raton: CRC Press, 2010. ISBN 978-143-9827-987.
Control system - Laserové skenování - geodetické práce [online]. 2010, [cit. 2012-03-11]. Available from: http://www.controlsystem.cz/.
Surphaser 3D Scanners [online]. 1995-2011, [cit. 2012-03-11]. Available from: http://www.surphaser.com/.

Course language:
Slovak

Notes:
without notices

Course assessment
Total number of assessed students: 74

A	B	C	D	E	FX
36.49	22.97	22.97	10.81	5.41	1.35

Provides: prof. Ing. Vladimír Sedlák, PhD., doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 21.02.2017
Approved:

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.

Prerequisities:

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 Gallay, PhD.

Date of last modification: 03.05.2015

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

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: 17.09.2020

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 107

A	B	C	D	E	FX
88.79	3.74	6.54	0.93	0.0	0.0

Provides: doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 27.09.2017

Approved:

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.

Prerequisities:

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:
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.
KOSIŃSKI, 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.cenzus.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:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 10

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:

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.	
Prerequisities:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
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: 24.06.2021
Approved:

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.

Prerequisities:

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 focuse 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:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Science

Course ID: ÚINF/ DBS1a/15	**Course name:** 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: I., II.

Prerequisities:

Conditions for course completion:
Written works during the semester, project.
Written and oral exam.

Learning outcomes:
Acquired basic concepts and techniques of relational database theory and corresponding software. Know the principles of relational databases and learn the basics of query language. Understand the formal foundations of database systems - three-valued logic, relational algebra. Be able to model and design DB, and the role of data warehouses.

Brief outline of the course:
1) Relational databases. Query language SQL, filtering.
2) Data types, operators, numerical, string and time functions.
3) JOIN operations.
4) AGGREGATION AND GROUP BY.
5) Data and database models. Relational scheme. RDB principles. Data integrity.
6) DB design, ER diagrams.
7) System commands about DB and tables. Cascading deletion and update.
8) Nested queries. ROLLUP. CASE expression.
9) Three-valued logic. Quantifiers and NOT. Set operations.
10) Data science and knowledge acquisition using R.
11) Data warehouses. Data cube. Pivot table.
12) Normalization of relational databases - 1. Relational algebra.

Recommended literature:
C.J. Date, Database Design and Relational Theory, 2012, O'Reilly Media, Inc., ISBN: 978-1-449-32801-6
J. Murach, Murach's MySQL, 3rd Edition, 2019, Mike Murach & Associates, Inc., ISBN-10: 1943872368
- R. Ramakrishnan, J. Gehrke, Database Management Systems, 2020, McGraw-Hill, ISBN13 9780071231510
- S. Krajčí: Databázové systémy, UPJŠ, 2005

Course language:

Notes:

Course assessment
Total number of assessed students: 858

A	B	C	D	E	FX
10.61	9.21	17.95	22.84	32.52	6.88

Provides: doc. RNDr. Csaba Török, CSc., Mgr. Dávid Varga

Date of last modification: 02.07.2021

Approved:

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.

Prerequisities:

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
41.07	30.36	16.96	7.14	3.57	0.89

Provides:

Date of last modification: 31.07.2015

Approved:

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.

Prerequisities:

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: 302

A	B	C	D	E	FX
83.44	9.93	4.3	0.66	1.66	0.0

Provides: prof. Mgr. Jaroslav Hofierka, PhD., doc. Mgr. Ladislav Novotný, PhD., prof. Ing. Vladimír Sedlák, PhD.
Date of last modification: 17.09.2020
Approved:

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.

Prerequisities:

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: 211

A	B	C	D	E	FX
72.04	20.38	5.69	0.47	0.47	0.95

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:

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.

Prerequisities:

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 Gallay, PhD.

Date of last modification: 14.02.2021

Approved:

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.

Prerequisities:

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:

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: 4.

Course level: II.

Prerequisities:

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 practical skills verification and delivery of the outputs of practicals. From the practical skills verification, students 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 main learning outcomes include theoretical and practical skills in collection and processing of 3D data and generation of 3D city models.

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

Course language:

Notes:

Course assessment
Total number of assessed students: 51

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: 03.05.2015

Approved:

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.	
Prerequisities:	
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 vfra, 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: 269

A	B	C	D	E	FX
24.16	26.02	23.79	14.5	11.52	0.0

Provides: Mgr. Marián Kulla, PhD., Mgr. Martina Gregáňová, Mgr. Štefan Kolečanský, prof. Mgr. Jaroslav Hofierka, PhD.

Date of last modification: 21.09.2019

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 67

A	B	C	D	E	FX
25.37	43.28	20.9	8.96	1.49	0.0

Provides:

Date of last modification: 22.11.2020

Approved:

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.

Prerequisities:

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 untis, 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:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:
Introduction, location, basic FG features of the Czech Republic. Geological structure of the Czech Republic, main geological entities according to the newest classification. Geomorphological structure and the relief evolution, geomorphological entities and units. Climate, hydrography of the Czech Republic, underground waters and mineral waters. Soils, phytogeography and zoogeography, present landscape types.
History of settlements in the Czech Republic from the historical perspective. National, linguistic and religious structure. Urban and rural settlements. Administrative division and its historical development. Economiy of the country - natural resouces, agriculture, industry, transport, education and tourism.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 284

A	B	C	D	E	FX
52.46	31.34	13.73	2.46	0.0	0.0

Provides: Mgr. Marián Kulla, PhD., Mgr. Imrich Sládek, PhD.

Date of last modification: 28.08.2020

Approved:

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.

Prerequisities:

Conditions for course completion:
The evaluation of the subject consists of assesment of one main semestral work - geomorphological map of the area (50 points) and 2-3 partial works (50 points), the total amount of points is 100. The student has to aquire minimum of half points from each work. For successful graduation of the subject the student has to aquire 51 points and more.

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

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

Recommended literature:
DEMEK, J. (edit.), 1972: Manual of detailed geomorphological mapping. Academia, Brno, 344 s.
MINÁR, J., 1995: Niektoré teoreticko-metodologické problémy geomorfológie vo väzbe na tvorbu komplexných geomorfologických máp. Acta Facultatis Rerum Naturalium Universitatis Comenianae, Geographica Nr. 36, Bratislava, 7-125.
SMITH, M., PARON P., GRIFFITHS, J., 2011: Geomorphological mapping – methods and applications. School of Geography, Geology and the Environment, Kingston University, UK. 610 s.
URBÁNEK, J., 1997: Geomorfologická mapa: niektoré problémy geomorfologického mapovania na Slovensku. Geografický časopis, 49, 3-4, 175-186.
ZAŤKO, M. et al. 1986: Obecná geomorfologická mapa a jej legenda. In: Cvičenia z fyzickej geografie. Prírodovedecká fakulta Univerzity Komenského, Bratislava. 43-53.

Course language:

Notes:

Course assessment
Total number of assessed students: 13

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: 27.08.2020

Approved:

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.

Prerequisities:

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 raiting 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-Dordecht-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: 86

A	B	C	D	E	FX
76.74	16.28	5.81	1.16	0.0	0.0

Provides: prof. Ing. Vladimír Sedlák, PhD., Mgr. Štefan Kolečanský, doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 19.08.2020

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 742

A	B	C	D	E	FX
60.78	13.88	12.67	8.63	3.37	0.67

Provides: Doc. PhDr. Peter Nezník, CSc., PhDr. Katarína Mayerová, PhD., doc. Mgr. Róbert Stojka, PhD.

Date of last modification: 25.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ SCIP/19	**Course name:** How to easily write an effective scientific paper
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: 2	
Recommended semester/trimester of the course: 3.	
Course level: II., III.	
Prerequisities:	
Conditions for course completion: Lectures will cover course material in a general way, and will provide numerous suggestions for further reading and student self-learning, in particular via pointers to the primary literature. Students will be encouraged to develop practicing approaches for their own publishing needs. This self-learning approach will be further developed as students chose a "current debate" in research publication issues, design and build a presentation on their own publication scheme project that will be delivered to the class in the form of a standard presentation (practical session; 100%).	
Learning outcomes: Effective scientific publishing has never been so important – high levels of scrutiny both in editorial, peer review, and in terms of public spending mean that it's more-and-more critical to think about how, why, and where you are publishing your work. Recent reports suggest over 4 million scientific papers are published each year and to be able to stand out from the crowd and show real impact is becoming ever more crucial. In this short training course, we will help you to achieve your potential in academic publishing, guide you through your publishing journey, and help get your work published in high impact journals. This course provides essential tips and tricks to enable you to achieve your writing aspirations by publishing your research in high impact journals. Although this presentation emphasises ECRs, it contains information useful to all interested in writing for publication. What's covered? 1. How to sell your work to editors, reviewers, and readers – your message; 2. Tips and tricks for things to put into your paper (and things not too); 3. A clear and easy-to-apply roadmap for writing an effective paper; 4. Gaining confidence in the publishing process; "… to publish a paper more easily".	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	

Course assessment
Total number of assessed students: 1

A	B	C	D	E	FX	N	P
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Provides: doc. RNDr. Martin Kundrát, Ph.D.

Date of last modification: 19.02.2019

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 10

A	B	C	D	E	FX
90.0	10.0	0.0	0.0	0.0	0.0

Provides: Doc. PhDr. Peter Nezník, CSc.

Date of last modification: 12.02.2021

Approved:

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.

Prerequisities:

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:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 24

A	B	C	D	E	FX
20.83	12.5	16.67	33.33	16.67	0.0

Provides: doc. Mgr. Ladislav Novotný, PhD.

Date of last modification: 22.04.2021

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Science

Course ID: ÚGE/ USP/18	**Course name:** Introduction to Paleontology: Modern Research Methods

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.

Prerequisities:

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
0.0	0.0	57.14	42.86	0.0	0.0

Provides: doc. RNDr. Martin Kundrát, Ph.D.

Date of last modification: 21.02.2018

Approved:

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.

Prerequisities:

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: 28.08.2020

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:
Landscape planning optimalizes econimic use of the landscape by keeping autoregulation of the landscape processes. Analysis of the landscape and synthesis of the information is main approach of the landscape planning. The aim is to understand the present structure of the landscape and predict its future evolution by analysing inputs and outputs into the landscape system.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 127

A	B	C	D	E	FX
3.15	15.75	22.83	28.35	29.13	0.79

Provides: RNDr. Dušan Barabas, CSc., Mgr. Imrich Sládek, PhD.

Date of last modification: 22.04.2021

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 44

A	B	C	D	E	FX
70.45	29.55	0.0	0.0	0.0	0.0

Provides: doc. Mgr. Michal Gallay, PhD., prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Michaela Nováková

Date of last modification: 29.08.2018

Approved:

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.

Prerequisities:

Conditions for course completion:
A student has to compile one semestral work with a submition in the last semester week (20 poins) 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 teached 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.

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.

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: 152

A	B	C	D	E	FX
22.37	31.58	26.32	13.82	3.95	1.97

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

Date of last modification: 01.09.2020

Approved:

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.

Prerequisities:

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:

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.	
Prerequisities:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	

Course assessment
Total number of assessed students: 230

abs	n
100.0	0.0

Provides: prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Marián Kulla, PhD.
Date of last modification: 03.05.2015
Approved:

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.

Prerequisities:

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: 16.09.2019

Approved:

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.

Prerequisities:

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:

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.

Prerequisities:

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 adn bio-geographic conditions (soil types and their geographical distribution, phytogeographical regions, vegetation zones, zoogeographical regions, nature protection,); Historical and political development (the oldest civilizations and ancient migration, ancient and medieval empires, European colonization, the collapse of colonial system, current political situation, integration groups); Population and settlements (population growth, racial and ethnic structure of population, linguistic groups, natural growth and migration, settlements and urbanization); Economy (economy growth, general nature of economy, types of countries according to the nature of economy, current statistic indicators, individual sectors of economy, foreign trade); Detailed characterization of selected regions.

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. RNDr. Zdenko Hochmuth, CSc., doc. Mgr. Ladislav Novotný, PhD., Mgr. Veronika Ondová

Date of last modification: 01.04.2020

Approved:

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.

Prerequisities:

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 (Willey), 490 p.
OCE 2019: Countries, Rankings, Visualiazations. The Observatory of Economic Complexity. Available at: https://atlas.media.mit.edu/en/.
ČEMAN, R. 2017: Školský geografický atlas Svet. Bratislava (Mapa Slovakia), 112 s.
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 edi-tion. New York (Wiley), 528 p.
GENCER, E. A. H., GERNI, C. (eds.) 2012: Central Asian Economies in Transition. Cam-bridge (Cambridge Scholars Publishing).
HOBBS, J. J. 2010: Fundaments of World Regional Geography, 2nd edition. Belmont (Bro-oks/ 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 orientalistiky 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:

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.

Prerequisities:

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 oldst 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 as well as recent meaning and understanding of regional geography. Students familiarize with various approaches to the regional-geographic research and basic methods of regional geography. The basic characteristics of regionalization and regional taxonomy and their contribution to the current geograhpic knowledge are explained. Practice with the application of regionalization and regional taxonomy.

Recommended literature:
BAŠOVSKÝ, O., LAUKO, V. 1990: Úvod do regionálnej geografie. Bratislava (SPN), 119 s.
BEZÁK, A. 2000: Funkčné mestské regióny na Slovensku. Geographia Slovaca, 15. Brati-slava (Geografický ústav SAV), 89 s.
BEZÁK, A. 1993: Problémy a metódy regionálnej taxonómie. Geographia Slovaca, 3. Brati-slava (SAV), 96 s.

GURŇÁK, D., BLAŽÍK, T., LAUKO, V. 2007: Úvod do politickej geografie, geopolitiky a regionálnej geografie. Bratislava (Geografika), 140 s.
HALÁS, M., KLAPKA, P., BLEHA, B., BEDNÁŘ, M. 2014: Funkčné regióny na Slovensku podľa denných tokov do zamestnania. Geografický časopis 66, 89 – 114.
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.
LAUKO, V., KASALA, K. 2009: Teória a metodológia regionálnej geografie. Bratislava (Kartprint), 96 s.
LUKNIŠ, M. 1985: Regionálne členenie SSR z hľadiska jej racionálneho rozvoja. Geogra-fický časopis 37, 2-3, 137-163.
MEČIAR, J. 2007: Obecná regionální geografie I. Brno (Masarykova univerzita), 140 s.

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: 22.09.2020

Approved:

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.

Prerequisities:

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 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 (Willey), 490 p.

OCE 2019: Countries, Rankings, Visualiazations. The Observatory of Economic Complexity. Available at: https://atlas.media.mit.edu/en/.
ČEMAN, R. 2017: Školský geografický atlas Svet. Bratislava (Mapa Slovakia), 112 s.
DE BLIJ, H. J. et al: 2013: The World Today - Concepts and Regions in Geography, 6th edi-tion. New York (Wiley), 528 p.
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: Fundaments of World Regional Geography, 2nd edition. Belmont (Bro-oks/ Cole), 438 p.
VEBLEN, T., YOUNG, K., ORME, A. eds. 2007: The Physical Geography of South Ame-rica. Oxofrd (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: 281

A	B	C	D	E	FX
14.95	35.23	32.03	10.32	7.47	0.0

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

Date of last modification: 22.09.2020

Approved:

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.

Prerequisities:

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 appropriatness 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 Země (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 Remoste Sensing (učebný text v angličtine, in English), 256 s. URL: http://www.nrcan.gc.ca/earth-sciences/geography-boundary/remote-sensing/fundamentals/1430.
BITTERER, L. (2005): Fotogrametria. Interné učebné texty z geodézie, fotogrametrie, katastrálneho mapovania. URL: http://svf.uniza.sk/kgd/literatura.html
HALOUNOVÁ L., PAVELKA K. (2005): Dálkový průzkum Země. Skriptá, ČVUT Praha, ISBN 80-01-03124-1. 192 s.
ŽÍHLAVNÍK, Š., SCHEER, Ľ., 2001: Diaľkový prieskum Zeme v lesníctve. TU Zvolen, 289 s.
KOLÁŘ J., HALOUNOVÁ L., Pavelka K. (1997): Dálkový průzkum Země. Skriptá, ČVUT Praha, 164 s.
DOBROVOLNÝ, P. (1998). Dálkový průzkum Země. Digitální zpracování obrazu. Masarykova Univerzita, Brno.
LILLESAND, T.M., KIEFER, R.W., CHIPMAN, J.W. (2015). Remote Sensing and Image Interpretation. 7. Vydanie, New York, USA (Wiley),756 s.
JENSEN, R. J. (2006): Remote Sensing: An Earth Resource Perspective. 2. vydanie, New Jersey, USA (Prentice Hall), 608 s.
CAMPBELL, J.B., WYNNE, R.H. (2011). Introduction to Remote Sensing. New York, USA (Guilford), 667 s.

Course language:
Slovak, Czech, English

Notes:

Course assessment
Total number of assessed students: 157

A	B	C	D	E	FX
22.93	26.11	34.39	10.83	5.1	0.64

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

Date of last modification: 16.09.2017

Approved:

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.

Prerequisities:

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., doc. RNDr. Ján Kaňuk, PhD., Mgr. Jozef Bogľarský

Date of last modification: 01.04.2020

Approved:

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: Per study period: 36s
Course method: combined, present

Number of ECTS credits: 2

Recommended semester/trimester of the course:

Course level: I., II.

Prerequisities:

Conditions for course completion:
Conditions for course completion:
Attendance

Learning outcomes:
Learning outcomes:
Students will be provided an overview of possibilities how to spend leisure time in seaside conditions actively and their skills in work and communication with clients will be improved. Students will acquire practical experience in organising the cultural and art-oriented events, with the aim to improve the stay and to create positive experiences for visitors.

Brief outline of the course:
Brief outline of the course:
1. Basics of seaside aerobics
2. Morning exercises
3. Pilates and its application in seaside conditions
4. Exercises for the spine
5. Yoga basics
6. Sport as a part of leisure time
7. Application of projects of productive spending of leisure time for different age and social groups (children, young people, elderly)
8. Application of seaside cultural and art-oriented activities in leisure time

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 41

abs	n
12.2	87.8

Provides: Mgr. Agata Horbacz, PhD.
Date of last modification: 15.03.2019
Approved:

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.

Prerequisities:

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: 138

A	B	C	D	E	FX
39.86	21.01	13.04	10.14	14.49	1.45

Provides: RNDr. Janetta Nestorová-Dická, PhD.

Date of last modification: 22.04.2021

Approved:

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.

Prerequisities:

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: 11.02.2021

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 110

A	B	C	D	E	FX
60.0	25.45	8.18	5.45	0.91	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:

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.	
Prerequisities:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 49	

abs	n
100.0	0.0

Provides: doc. Mgr. Michal Gallay, PhD., prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Ján Kaňuk, PhD., prof. Ing. Vladimír Sedlák, PhD.
Date of last modification: 28.09.2017
Approved:

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:** combined, present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course: 1.	
Course level: I., I.II., II.	
Prerequisities:	
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:	
Course language:	
Notes:	

Course assessment
Total number of assessed students: 12859

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
87.01	0.08	0.0	0.0	0.0	0.04	8.1	4.77

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

Date of last modification: 13.05.2021

Approved:

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: combined, present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 2.

Course level: I., I.II., II.

Prerequisities:

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:

Course language:

Notes:

Course assessment
Total number of assessed students: 11675

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
84.52	0.56	0.02	0.0	0.0	0.05	10.63	4.22

Provides: Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.
Date of last modification: 13.05.2021
Approved:

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: combined, present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 3.

Course level: I., I.II., II.

Prerequisities:

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:

Course language:

Notes:

Course assessment
Total number of assessed students: 7873

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
88.8	0.05	0.01	0.0	0.0	0.03	4.08	7.04

Provides: Mgr. Marcel Čurgali, Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.
Date of last modification: 13.05.2021
Approved:

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: combined, present

Number of ECTS credits: 2

Recommended semester/trimester of the course: 4.

Course level: I., I.II., II.

Prerequisities:

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:

Course language:

Notes:

Course assessment
Total number of assessed students: 5125

abs	abs-A	abs-B	abs-C	abs-D	abs-E	n	neabs
83.14	0.31	0.04	0.0	0.0	0.0	7.75	8.76

Provides: Mgr. Marcel Čurgali, Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.
Date of last modification: 13.05.2021
Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 32

A	B	C	D	E	FX
25.0	37.5	18.75	6.25	12.5	0.0

Provides: Mgr. Loránt Pregi, PhD., doc. Mgr. Ladislav Novotný, PhD., doc. RNDr. Ján Kaňuk, PhD.

Date of last modification: 01.04.2020

Approved:

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.

Prerequisities:

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:

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.

Course level: II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 208

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: 03.05.2015

Approved:

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: Per study period:** 36s **Course method:** present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II.	
Prerequisities:	
Conditions for course completion: Conditions for course completion: Attendance Final assessment: Raft control on the waterway (attended/not attended)	
Learning outcomes: Learning outcomes: Students have knowledge of rafts (canoe) and their control on waterway.	
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:	
Course language:	
Notes:	

Course assessment Total number of assessed students: 153	
abs	n
45.75	54.25
Provides: Mgr. Dávid Kaško, PhD.	
Date of last modification: 18.03.2019	
Approved:	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ KP/12	**Course name:** Survival Course
Course type, scope and the method: **Course type:** Practice **Recommended course-load (hours):** **Per week: Per study period:** 36s **Course method:** combined, present	
Number of ECTS credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II.	
Prerequisities:	
Conditions for course completion: Conditions for course completion: Attendance Final assessment: continuous fulfilment of all tasks within the course	
Learning outcomes: Learning outcomes: Students will be familiarized with principles of safe stay and movement in extreme natural conditions as they will obtain theoretical knowledge and practical skills to solve the extraordinary and demanding situations connected with survival and minimization of damage to health. The course develops team work and students will learn how to manage and face the situations that require overcoming of obstacles.	
Brief outline of the course: Brief outline of the course: Lectures: 1. Principles of behaviour and safety for movement and stay in unknown mountains 2. Preparation and leadership of tour 3. Objective and subjective danger in mountains 4. Principles of hygiene and prevention of damage to health in extreme conditions Exercises: 1. Movement in terrain, orientation and navigation in terrain (compasses, GPS) 2. Preparation of improvised overnight stay 3. Water treatment and food preparation.	
Recommended literature:	
Course language:	
Notes:	

Course assessment Total number of assessed students: 393	
abs	n
44.53	55.47
Provides: MUDr. Peter Dombrovský, Mgr. Ladislav Kručanica, PhD.	
Date of last modification: 15.03.2019	
Approved:	

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.

Prerequisities:

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: 136

A	B	C	D	E	FX
75.0	11.03	7.35	2.94	2.94	0.74

Provides: RNDr. Dušan Barabas, CSc.

Date of last modification: 19.08.2020

Approved:

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 34

A	B	C	D	E	FX
29.41	35.29	32.35	2.94	0.0	0.0

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

Date of last modification: 21.02.2018

Approved:

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.

Prerequisities:

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 chech-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 Gepgraphy – 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., Mgr. Daniela Laubertová

Date of last modification: 29.03.2020

Approved:

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Science

Course ID: ÚGE/ZPYT/20	**Course name:** Základy programovania v jazyku Python

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.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 19

A	B	C	D	E	FX
78.95	15.79	0.0	0.0	0.0	5.26

Provides: Mgr. Jozef Bogľarský, Mgr. Anastasiia Enderova, prof. Mgr. Jaroslav Hofierka, PhD.

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Approved: