

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: CJP/ PFAJAKA/07	Course name: Academic English
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 credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II., N	
Prerequisites:	
Conditions for course completion: kontrolný písomný test, aktivita na hodine záverečný písomný test povolené max. 2 absencie stupnica hodnotenia: A 93-100, B 86-92, C 79-85, D 72-78, E 65-71, FX 64 a menej aktivita na hodine predmet končí hodnotením, t.j. povolený je 1 opravný test	
Learning outcomes: Osvojenie si a rozvíjanie užitočných techník akademického písomného ako aj ústneho prejavu so zameraním na rozvoj jazykových kompetencií študenta, na upevňovanie a rozvíjanie všetkých jazykových zručností na stredne pokročilej až pokročilej úrovni ovládania jazyka (B2/C1 podľa Spoločného európskeho referenčného rámca pre jazyky). Predmet kladie dôraz na používanie akademickej angličtiny v akademickom prostredí.	
Brief outline of the course: Akademická angličtina a jej charakteristiky Čítanie odborných článkov, analýza, parafrázovanie Spájacie slová v akademickom písaní Formálna a neformálna angličtina a ich črty Vyjadrovanie príčiny, následku v akademickom jazyku Čítanie odbornej publikácie, analýza, parafrázovanie Slovo tvorba v anglickom jazyku- predpony a prípony Ako prezentovať v angličtine Parafrázovanie a definovanie Ako písať abstrakt Slovosled v akademickom diškurze	
Recommended literature: Seal B.: Academic Encounters, CUP, 2002 T. Armer :Cambridge English for Scientists, CUP 2011 M. McCarthy M., O'Dell F. - Academic Vocabulary in Use, CUP 2008 Zemach, D.E, Rumisek, L.A: Academic Writing, Macmillan 2005	

Olsen, A. : Active Vocabulary, Pearson, 2013 www.bbclearningenglish.com Cambridge Academic Content Dictionary, CUP, 2009					
Course language:					
Notes:					
Course assessment Total number of assessed students: 292					
A	B	C	D	E	FX
29.11	22.26	16.1	11.3	8.22	13.01
Provides: PaedDr. Gabriela Bednáriková					
Date of last modification: 06.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KFaDF/AFS/05		Course name: Antique 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 credits: 2					
Recommended semester/trimester of the course: 6.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 30					
A	B	C	D	E	FX
83.33	6.67	6.67	0.0	3.33	0.0
Provides: doc. PhDr. Pavol Tholt, PhD., mim.prof., Doc. PhDr. Peter Nezník, CSc.					
Date of last modification: 26.01.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ AFJ1a/03		Course name: Automata and formal languages			
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 credits: 4					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites:					
Conditions for course completion: Oral examination.					
Learning outcomes: To provide theoretical background for studying computer science in general, by giving the necessary knowledge in theory of automata.					
Brief outline of the course: Chomsky hierarchy of grammars and languages. Finite-state transducers and mapping, construction of a reduced automaton. Finite-state acceptors, nondeterministic acceptors, regular expressions. Closure properties of regular languages. Context-free grammars, Chomsky and Greibach normal forms. Pushdown automata, Pumping lemma. Closure properties of context-free languages.					
Recommended literature: J.E.Hopcroft and J.D.Ullman. Formal languages and their relation to automata. Addison-Wesley. (Slovak translation published by ALFA, Bratislava, 1978). M.Chytil. Automata and grammars. SNTL, 1984. (In Czech). J.van Leeuwen (ed.): Handbook of theoretical computer science. North-Holland, 1990.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 718					
A	B	C	D	E	FX
22.7	17.69	24.65	18.8	10.72	5.43
Provides: Mgr. Alexander Szabari, PhD., prof. RNDr. Viliam Geffert, DrSc., RNDr. Juraj Šebej, RNDr. Zuzana Bednárová, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/ ZPIRa/04	Course name: Bachelor thesis
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 credits: 2	
Recommended semester/trimester of the course: 5.	
Course level: I.	
Prerequisites: ÚINF/PBS/07	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 168	
abs	n
100.0	0.0
Provides: RNDr. Peter Gurský, PhD., doc. RNDr. Jozef Jirásek, PhD., doc. RNDr. Gabriela Andrejková, CSc.	
Date of last modification: 03.02.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/ ZPIRb/04	Course name: Bachelor thesis
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 4 Per study period: 56 Course method: present	
Number of credits: 6	
Recommended semester/trimester of the course: 6.	
Course level: I.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 167	
abs	n
99.4	0.6
Provides: RNDr. Peter Gurský, PhD., RNDr. František Galčík, PhD., doc. RNDr. Gabriela Andrejková, CSc.	
Date of last modification: 03.02.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ BPO/14		Course name: Bachelor 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 credits: 4					
Recommended semester/trimester of the course:					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 1					
A	B	C	D	E	FX
0.0	100.0	0.0	0.0	0.0	0.0
Provides:					
Date of last modification: 17.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/OBP/07		Course name: Bachelor thesis defence			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of credits: 0					
Recommended semester/trimester of the course:					
Course level: I.					
Prerequisites: (ÚGE/ZBOb/13 and ÚGE/ZBOa/13) or (ÚGE/ZBGa/04 and ÚGE/ZBGb/04)					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 316					
A	B	C	D	E	FX
40.51	23.73	20.25	10.76	4.43	0.32
Provides:					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚMV/ SMG/10		Course name: Basic statistics for geography			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 2 Per study period: 14 / 28 Course method: present					
Number of credits: 3					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites:					
Conditions for course completion: Project and tests during the semester. Given at the basis of partial examination and final test.					
Learning outcomes: To understand basics of descriptive and inferential statistics used in natural sciences.					
Brief outline of the course: Data types. Frequencies. Measures of central tendency, variability and concentration. Quantiles. Basic theoretical probability distributions. Point and interval estimation. Basic hypothesis tests. Correlation and regression analysis.					
Recommended literature: Wonnacott, Wonnacott: Introductory Statistics, Wiley 1977 Rogerson P.: Statistical methods for geography, SAGE Publications, London, 2001					
Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 342					
A	B	C	D	E	FX
4.68	9.94	19.01	30.7	28.65	7.02
Provides: RNDr. Daniel Klein, PhD., RNDr. Veronika Kopčová, RNDr. Martina Hančová, PhD.					
Date of last modification: 14.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/KAR/05		Course name: Basis of karstology and speleology			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present					
Number of credits: 2					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites: ÚGE/GEM2/05					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 188					
A	B	C	D	E	FX
77.66	13.83	6.38	0.0	2.13	0.0
Provides: doc. RNDr. Zdenko Hochmuth, CSc., RNDr. Alena Gessert, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZVS/12		Course name: Basis of public administration			
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 credits: 3					
Recommended semester/trimester of the course: 5.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion: active participation					
Learning outcomes:					
Brief outline of the course: public administration, systems and models of public administration, history of public administration on the territory of Slovakia, division of public administration - state government, self-government - local and regional, local economic development, financial aspects of local administrative units, local government reform, intermunicipal reform, the city of Košice, territorial-administrative division, system of public administration in model states.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 153					
A	B	C	D	E	FX
24.18	33.99	16.99	16.34	7.84	0.65
Provides: RNDr. Stela Csachová, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚBEV/ BDD/05		Course name: Biology of Children and Adolescents			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 0 Per study period: 28 / 0 Course method: present					
Number of credits: 2					
Recommended semester/trimester of the course: 4., 6.					
Course level: I.					
Prerequisites:					
Conditions for course completion: Written test					
Learning outcomes: The aim of the subject is to gain the particular level of knowledge about human body and its development. It is necessary for the understanding of specific biological characteristics of children and adolescents linked to development.					
Brief outline of the course: Human ontogenesis. Postnatal development. Age specific features of skeletal and muscular, circulatory, respiratory, gastrointestinal and urinary systems. Reproductive system. Endocrine system. Nervous system. Age specifics of selected diseases and drug dependence arise. Human population and environment.					
Recommended literature: Drobný I., Drobná M.: Biológia dieťaťa pre špeciálnych pedagógov I. a II. Bratislava, PdF UK, 2000 Lipková V.: Somatický a fyziologický vývoj dieťaťa. Osveta Bratislava, 1980 Malá H., Klementa J.: Biológia detí a dorastu. Bratislava, SPN, 1989					
Course language:					
Notes:					
Course assessment Total number of assessed students: 1069					
A	B	C	D	E	FX
36.3	23.48	16.0	15.9	7.86	0.47
Provides: doc. RNDr. Monika Kassayová, CSc.					
Date of last modification: 13.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KGER/ NJKK/07		Course name: Communication Competence in the German Language			
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 credits: 2					
Recommended semester/trimester of the course:					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 42					
A	B	C	D	E	FX
57.14	14.29	7.14	4.76	14.29	2.38
Provides: Mgr. Eva Černáková, PhD.					
Date of last modification: 05.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: CJP/ PFAJKKA/07	Course name: Communicative Competence in English
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 credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II., N	
Prerequisites:	
Conditions for course completion: ontroľný písomný test, aktivita na hodine záverečný písomný test stupnica hodnotenia A 93-100, B 86 - 92, C 79-85, D 72-78, E 65-71, FX menej ako 64 Povolené max. 2 absencie počas semestra predmet končí hodnotením, možnosť jedného opravného testu	
Learning outcomes: Uplatnenie a aktívne používanie svojich teoretických vedomostí v praktických komunikačných situáciách. Zdokonalenie jazykových vedomostí a zručností študenta, rečovej, pragmatickej a vecnej kompetencie, predovšetkým zlepšujú komunikáciu, schopnosť prijímať a formulovať výpovede, efektívne vyjadrovať svoje myšlienky ako aj orientovať sa v obsahovom pláne výpovede. Precvičovanie rečových intencií kontaktných (napr. pozdravy, oslovenia, pozvanie, oslovenie), informatívnych (napr. získavanie a podávanie informácií, vyjadrenie priestorových a časových vzťahov), regulačných (napr. prosba, poďakovanie, zákaz, pochvala, súhlas, nesúhlas) a hodnotiacich (napr. vyjadrenie vlastného názoru, stanoviska, želania, emócií). Výsledkom budovania praktickej jazykovej kompetencie majú byť vedomosti a zručnosti zodpovedajúce požiadavkám a kritériám dokumentu Spoločný európsky referenčný rámec pre vyučovanie jazykov - úroveň B2.	
Brief outline of the course: Rodina, jej formy a problémy Vyjadrovanie pocitov a dojmov Dom, bývanie a budúcnosť Formy a dialekty v anglickom jazyku Život v meste a na vidieku Kolokácie a idiomy, zaužívané slovné spojenia Prázdniny a sviatky vo svete Životné prostredie a ekológia Výnimky zo slovosledu Frázové slovesá a ich použitie Charakteristiky neformálneho diškurzu	

Recommended literature:

McCarthy M., O'Dell F.: English Vocabulary in Use, 1994

Misztal M.: Thematic Vocabulary, 1998

Fictumova J., Ceccarelli J., Long T.: Angličtina, konverzace pro pokročilé, Barrister and Principal, 2008

Peters S., Gráf T.: Time to practise, Polyglot, 2007

www.bbclearningenglish.com

Jones L.: Communicative Grammar Practice, CUP, 1985

Alexander L.G.: Longman English Grammar, Longman, 1988

Course language:**Notes:****Course assessment**

Total number of assessed students: 174

A	B	C	D	E	FX
36.78	22.41	18.39	9.77	8.05	4.6

Provides: PaedDr. Gabriela Bednáriková, Mgr. Silvia Marcinová, PhD.

Date of last modification: 06.02.2014

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: CJP/ PFAJGA/07	Course name: Communicative Grammar in English
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 credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II., N	
Prerequisites:	
Conditions for course completion: kontrolná písomná práca, záverečná písomná práca stupnica hodnotenia: A 93-100, B 86-92, C 79-85, D 65-71, 64 a menej - FX aktivita na hodinách, povolené 2 absencie predmet je ukončený hodnotením, možnosť jedného opravného testu	
Learning outcomes: Identifikovanie a odstránenie najfrekvencovanejších gramatických chýb v ústnom prejave, ako aj v písomnom styku. Rozvoj jazykových kompetencií študenta so zameraním na funkcie gramatiky anglického jazyka v každodennej interakcii, v komunikačnom akte na stredne pokročilej úrovni ovládania jazyka (B2 podľa Spoločného európskeho referenčného rámca pre jazyky).	
Brief outline of the course: Zvieratá a rastliny na zemi Zločin a trest Cestovanie po mori a vzduchom Jedlá a reštaurácie, národná kuchyňa Vzdelanie na vysokých školách História a viera Vybrané problémy anglickej výslovnosti, gramatiky (nepriama reč, slovotvorba, predložkové väzby, anglická syntax, kondicionály v angličtine a slovnej zásoby príslušného zamerania Vybrané funkcie praktického odborného jazyka potrebné na prácu s odborným textom	
Recommended literature: Misztal M.: Thematic Vocabulary, 1994 McCarthy, O'Dell: English Vocabulary in Use, 1994 Alexander L.G.: Longman English Grammar, Longman, 1988 Jones I. - Communicative Grammar Practice, CUP, 1992 Vince M.: Macmillan Grammar in Context, Macmillan, 2008 www.bbclearningenglish.com Gráf T., Peters S.: Time to practise, Polyglot, 2007	

Course language:					
Notes:					
Course assessment					
Total number of assessed students: 378					
A	B	C	D	E	FX
39.42	18.25	17.2	8.73	5.82	10.58
Provides: PaedDr. Gabriela Bednáriková					
Date of last modification: 06.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ KRS/08	Course name: Complex geographic characteristics of selected world regions
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 credits: 3	
Recommended semester/trimester of the course: 6.	
Course level: I., II.	
Prerequisites:	
Conditions for course completion: At the beginning of semester, students will be told the topics to be drawn up as written report and presented in a slideshow. This part is 50 % of total grading. The results of tests written during the semester constitute another 50 % of total grading. To obtain A grade, weighted average of the both parts of examination must reach at least 90%, To obtain B it is 80%, for C it is 70%, for D 60% and for E 50%. Credits shall not be granted to a student who obtain less than 50 % from any of both parts of examination.	
Learning outcomes: Understanding of causal relations between individual geographic phenomena in spatial and temporal context of individual regions; extended knowledge about selected regions.	
Brief outline of the course: Geographic location, geologic history and structure, orography and shapes of coast, climate, hydrology, soils and biogeography, protection of nature, current landscape and its transformation, historical and political development, population and sites, economy and integration groupings in selected regions of the world.	
Recommended literature: DE BLIJ, H. J. et al: 2013: The World Today - Concepts and Regions in Geography, 6th edition. New York (Wiley), 528 p. HOBBS, J. J. 2010: Fundaments of World Regional Geography, 2nd edition. Belmont (Brooks/Cole), 438 p. WEIGHTMAN, B. 2010: Dragons and Tigers – A Geography of South, East and Southeast Asia, 3rd edition. Hoboken (Wiley), 523 p. BAAR, V. 2002: Národy na prahu 21. století. Emancipace nebo nacionalismus? Ostrava (Ostravská univerzita), 416 s. BRADSHAW, W. et al. 2012: Contemporary World Regional Geography, 4th edition. New York (McGrawHill), 620 p.	
Course language: Slovak and English	
Notes:	

Course assessment					
Total number of assessed students: 383					
A	B	C	D	E	FX
30.29	36.03	21.67	7.83	3.92	0.26
Provides: Mgr. Ladislav Novotný, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ TVY/10		Course name: Computability theory			
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 credits: 4					
Recommended semester/trimester of the course: 5.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes: To provide theoretical background for studying computer science in general, by familiarising students with basic knowledge of the theory of computability.					
Brief outline of the course: Turing machine as a formalisation of the notion of an algorithm. Partial recursive functions. Kleene's normal form theorem. The equivalences of the notion of a function calculable by a Turing machine, partial recursive and calculable by a computer program. Algorithmical undecidability of the halting problem of a Turing machine and a computer program.					
Recommended literature: MACHTEY, M. and YOUNG, P.: An Introduction to the General Theory of Algorithms, North--Holland, Amsterdam 1978. BRIDGES, D. S.: Computability, A Mathematical Sketch book, Springer--Verlag 1994					
Course language:					
Notes:					
Course assessment Total number of assessed students: 751					
A	B	C	D	E	FX
17.04	10.65	19.17	18.38	11.19	23.57
Provides: doc. RNDr. Stanislav Krajčí, PhD., RNDr. Ľubomír Antoni, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/PSIN/13	Course name: Computer network Internet
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present	
Number of credits: 5	
Recommended semester/trimester of the course: 4.	
Course level: I.	
Prerequisites: ÚINF/PAZ1a/10 or ÚINF/ePAZ1a/11	
Conditions for course completion: Activity at excercises, home work, test. verbal exam, final test	
Learning outcomes: To understand ISO OSI reference model for network communication, to analyze communication channels parameters, to understand different access methods, to be familiar with the function of center network devices (hub, switch, router), to understand IP protocol, IP addresses and the transfer of internet packets, to understand reliable data transfer of the TCP protocol, to be able to use Sockets, to know basic application protocols and use them in own applications.	
Brief outline of the course: ISO OSI reference model. Web and HTTP, e-mail and SMTP, domain names and DNS, Peer-to-peer applications. Security in computer networks. Transport layer services, multiplexing and demultiplexing, protocol UDP, reliable data transfer, connection oriented transport protocol TCP, congestion control. Network Layer: Internet protocol IPv4 and IPv6, addressing, network address translation, routing algorithms and protocols. Link layer: error detection, multiple access methods CSMA/CD and CSMA/CA, Ethernet, 802.11 Wireless LAN, link layer addressing, VLANs, mobility, mobile technologies. Communication channels parameters, digital and analog encoding.	
Recommended literature: 1. J. F. Kurose, Keith W. Ross: Computer Networking: A Top-Down Approach, 5. edícia, 2010 2. A. S. Tanenbaum: Computer Networks, Prentice Hall, 2002 3. W. Stallings: Local and Metropolitan Area Networks, Prentice Hall, 2000 4. E. Comer, R.E. Droms: Computer Networks and Internets, Prentice Hall, 2003 5. W. R. Stevens: TCP/IP Illustrated, Vol.1: The Protocols, Addison-Wesley, 1994	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 625					
A	B	C	D	E	FX
9.6	4.48	10.08	15.52	38.24	22.08
Provides: RNDr. Peter Gurský, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ DBS1a/03		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 credits: 5					
Recommended semester/trimester of the course: 3.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes: Acquired basic concepts and techniques of relational database theory and corresponding software.					
Brief outline of the course: Data models. Languages for defining and manipulating data (DDL, DML). Tables, attributes and integrity constraints. Queries: select, where, group by, aggregate and system functions. Nested queries and several tables: join, union, primary, foreign key. Relational algebra.					
Recommended literature: - S. Krajčí: Databázové systémy, UPJŠ, 2005 - J. ULLMAN: Principles of database and knowledge – base systems, Comp. Sci. Press., 1988 - R. Ramakrishnan, J. Gehrke, Database Management Systems, McGraw-Hill, 2003 - Itzik Ben-Gun, Microsoft SQL Server 2012 T-SQL Fundamentals, O'Reilly, 2012 - HENDERSON, K.: The Guru's Guide to Transact SQL, Addison Wesley Professional, 2000					
Course language:					
Notes:					
Course assessment Total number of assessed students: 718					
A	B	C	D	E	FX
11.56	9.19	16.85	22.56	31.48	8.36
Provides: doc. RNDr. Csaba Török, CSc., Mgr. Maroš Andrejko, RNDr. Lukáš Miňo					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/DBS1b/03		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 credits: 6					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites: ÚINF/DBS1a/03 or ÚINF/eDBS1a/11					
Conditions for course completion:					
Learning outcomes: Mastering the basic techniques of effective design, normalization and programmable extension of relational databases.					
Brief outline of the course: Database modelling. Functional dependency and normalization. Recursion and transitive closure. Cursors. Stored procedures. Indices and B-trees. Triggers. Transaction. XML, SDL, XPath, XQuery.					
Recommended literature: - S. Krajčí: Databázové systémy, UPJŠ, 2005 2. J. - Date C.J., Database Design and Relational Theory, O'Reilly, 2012 - Atkinson, P., Vierra, R., BEGINNING MICROSOFT SQL SERVER 2012 PROGRAMMING, John Wiley - Wrox, 2012 - Itzik Ben-Gan, Microsoft SQL Server, 2012 T-SQL Fundamentals, O'Reilly, 2012 - L. Davidson, J.M. Moss, Pro SQL Server 2012 Relational database Design and Implementation, APRESS, 2012					
Course language:					
Notes:					
Course assessment Total number of assessed students: 608					
A	B	C	D	E	FX
10.36	7.73	10.86	22.2	36.84	12.01
Provides: doc. RNDr. Csaba Török, CSc.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/OZP/04		Course name: Defence of bachelor thesis			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of credits: 0					
Recommended semester/trimester of the course:					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 139					
A	B	C	D	E	FX
43.88	20.14	18.71	6.47	8.63	2.16
Provides:					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚMV/ DSM3a/10		Course name: Discrete mathematics for informaticians			
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 credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites:					
Conditions for course completion: Based on results of two semestral tests. Based on semestral evaluation and the result of examination (test).					
Learning outcomes: To present the basics of combinatorics and their applications in computer science.					
Brief outline of the course: Mathematical induction and Dirichlet principle. The sum and the product rule. Permutations, k-permutations, combinations. Selections with repetitions. The inclusion/exclusion principle. Recurrent equations. Introduction to graph theory. Trees. Eulerian and Hamiltonian graphs. Planar graphs. Graph colourings.					
Recommended literature: 1. S. Jendroľ, P. Mihók: Diskrétna matematika I., UPJŠ Košice 1992 2. J. Nešetřil, J. Matoušek: Kapitoly z diskrétni matematiky 3. E. R. Scheinerman: Mathematics - a discrete introduction, Brooks/Cole Publ. Comp. Pacific Grove 2000. 4. R.P. Grimaldi: Discrete and Computational Mathematics, Addison-Wesley Publ. Co.-Reading 1994.					
Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 521					
A	B	C	D	E	FX
4.03	2.3	3.84	13.24	52.02	24.57
Provides: doc. RNDr. Tomáš Madaras, PhD., RNDr. Mária Maceková					
Date of last modification: 14.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KPE/ SL1/05		Course name: Education-related Legislation			
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 credits: 2					
Recommended semester/trimester of the course: 6.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 337					
A	B	C	D	E	FX
39.17	31.16	16.91	4.15	1.78	6.82
Provides: PaedDr. Renáta Orosová, PhD., Mgr. Zuzana Nováková, PhD.					
Date of last modification: 04.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/AGS/08	Course name: English geographical seminar
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 credits: 2	
Recommended semester/trimester of the course: 5.	
Course level: I., II.	
Prerequisites:	
Conditions for course completion: test	
Learning outcomes: The aim is to get students to work with the current language of geographers. The focus will primarily be on vocabulary of common geographical issues as geography of Europe, geography of the Slovak Republic, travel and tourism, project related English and some business English. Selected issues concerning the oral and written form of communication will be practised.	
Brief outline of the course: The subject aims to cover the most relevant issues of Human geography of Europe. Students actively participate on voluntary chosen topics: political division of Europe, population and settlements, main trends in economy of Europe, geographical description of European subregions or particular model national state.	
Recommended literature: Cihová, J. a kol., 2005: English for Students of Public Administration, Regional Development, European Integration. Bratislava: Geografika. ISBN 80-969338-2-5. Clark, A. N., 1998: Dictionary of Geography. Second edition. Penguin Books. ISBN 0-14-051388-4 Daniels, P., et al. 2005. An Introduction to Human Geography. Issues for the 21st Century. Pearson: Prentice Hall. ISBN 0-13-121766-6 Jordan, R.R., 1980: Academic Writing Course. London: Collins ELT. ISBN 0-00-370004-6 Swan, M., 2006: Practical English Usage. Oxford: OUP. ISBN 9780194420983 materials provided by the teacher	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 26					
A	B	C	D	E	FX
65.38	3.85	3.85	15.38	11.54	0.0
Provides: RNDr. Stela Csachová, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: CJP/ PFAJ4/07	Course name: English Language of Natural Science
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course: 4.	
Course level: I.	
Prerequisites:	
Conditions for course completion: test na slovnú zásobu, ústna prezentácia, záverečný písomný test, účasť na seminároch (max. 2 absencie) stupnica hodnotenia: A 93-100, B 86-92, C 79-85, D 72-78, E 65-71, FX 64 a menej	
Learning outcomes: Rozvoj jazykových kompetencií študentov príslušného študijného odboru, upevňovanie a rozvíjanie všetkých jazykových zručností (hovorenie, písanie, čítanie, počúvanie) predovšetkým v odbornej/profesnej angličtine, na stredne pokročilej úrovni ovládania jazyka (B2). Dôraz sa kladie na aktívne správne používanie odbornej/profesnej angličtiny.	
Brief outline of the course: ANGLICKÝ JAZYK PRE GEOGRAFOV: Veda a výskum. Odbor geografia. Planéta Zem. Naša slnečná sústava. Litosféra, hydrosféra, atmosféra, biosféra. Zem - dynamická planéta. Tektonické platne. Sopečná činnosť. Zemetrasenia. Svetové oceány. Morské prúdy. Tsunami. Veľký koralový útes. Atmosféra - zloženie atmosféry. Kontinenty. Európa - krajiny, národnosti. ANGLICKÝ JAZYK PRE EKOLÓGOV: Veda a výskum. Odbor ekológia. Životné prostredie. Znečistenie a dôsledky. Sopečná činnosť, zemetrasenia. Great Pacific Garbage Patch. Globálne otepľovanie a dôsledky. Ľadovce. Počasie a klíma. Búrky, hurikány, tsunami. Život na Zemi. Ohrozené rastlinné a živočíšne druhy. ANGLICKÝ JAZYK PRE BIOLÓGOV: veda a výskum, odbor biológia morfológia rastlín, koreň	

stonka, list
rozmnožovanie rastlín, kvet
biológia človeka - telesné sústavy
slovná zásoba z oblasti botanickej a zoologickej nomenklatúry

ANGLICKÝ JAZYK PRE MATEMATIKOV:

Veda a výskum, odbor matematika
čísla a tvary v matematike
Elementárna algebra
Elementárna geometria
Výpočty v matematike
Pytagoras, Pytagorova veta
Grafy a diagramy
Štatistika

ANGLICKÝ JAZYK PRE FYZIKOV

Veda a výskum, odbor fyzika
Atómy a molekuly
Hmota a jej premeny
Elektrina, jej využitie
Zvuka, jeho prenos
Svetlo

Solárny systém
Matematické operácie

ANGLICKÝ JAZYK PRE CHEMIKOV:

Veda a výskum, odbor chémia:
História, alchímia
Nomenklatúra
Laboratórium a jeho vybavenie
Periodická tabuľka
Hmota a jej premeny
Organická chémia
Anorganická chémia

ANGLICKÝ JAZYK PRE INFORMATIKOV:

Veda a výskum, informatika
Život s počítačom
Typický PC
Zdravie a bezpečnosť, ergonómika
Programovanie
Emailovanie
Cybercrime
Trendy budúcnosti

Recommended literature:

študijné materiály dodané vyučujúcim
Velebná, V. English for Chemists.
Redman, S.: English Vocabulary in Use, Pre-intermediate, Intermediate. Cambridge University Press. 2003.
Powel, M.: Dynamic Presentations. CUP, 2010
Armer, T.: Cambridge English for Scientists. CUP, 2011
Wharton J.: Academic Encounters. The Natural World, CUP: 2009.
Murphy, R.: English Grammar in Use. Cambridge University Press. 1994.

Redman, s.: English Vocabulary in Use, Pre-intermediate, Intermediate. Cambridge University Press. 2003. P. Fitzgerald : English for ICT studies, Garnet Publishing, 2011					
Course language:					
Notes:					
Course assessment Total number of assessed students: 1860					
A	B	C	D	E	FX
31.72	25.54	18.28	11.94	9.52	3.01
Provides: PhDr. Helena Petruňová, CSc., PaedDr. Gabriela Bednáriková, Mgr. Marianna Škultétyová, Mgr. Silvia Marcinová, PhD.					
Date of last modification: 06.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KPE/ ZSKP/05		Course name: Essentials of School Pedagogy			
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 credits: 2					
Recommended semester/trimester of the course: 6.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 268					
A	B	C	D	E	FX
11.19	16.42	26.49	19.03	5.6	21.27
Provides: PaedDr. Renáta Orosová, PhD.					
Date of last modification: 04.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ EXHG/07		Course name: Excursion from human geography			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 6d Course method: present					
Number of credits: 1					
Recommended semester/trimester of the course: 6.					
Course level: I.					
Prerequisites: ÚGE/MHG1/03					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: The aim of the excursion is to visit and experience humangeographical peculiarities over the territory of Slovakia. The students will visit the cities, interesting sites, industrial company, agricultural farm. Students are required to write out the final report.					
Recommended literature: Matlovič, R., Kandračová, V., Michaeli, E., 1998: Trasy za poznaním Slovenska. ATA, Akademická turistická agentúra, Prešov.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 307					
A	B	C	D	E	FX
80.46	10.1	6.51	0.65	1.3	0.98
Provides: RNDr. Katarína Kozáková, PhD., Mgr. Ladislav Novotný, PhD., prof. RNDr. Peter Spišiak, CSc., RNDr. Janetta Nestorová-Dická, PhD., Mgr. Marián Kulla, PhD., RNDr. Stela Csachová, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ EXFG/07		Course name: Excursion of physical geography			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 6d Course method: present					
Number of credits: 1					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites: ÚGE/FYG1/03					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Students get acquainted with the basic types of relief and structure of natural landscape of Slovakia - structural relief on flysh, sedimentary rocks and intrusive rocks, karst relief, aeolian landscape, glacial relief, antropogene landscape, and planation surfaces.					
Recommended literature: KOLEKTÍV, 1972: Slovensko, Príroda, Obzor Bratislava MATLOVIČ, R., KANDRÁČOVÁ, V., MICHAELI, E., 1998: Trasy za poznaním Slovenska. ATA, Akademická turistická agentúra, Prešov. 500 s. Topografické mapy v mierke 1:50 000, Geologické mapy Slovenska v mierke 1:50 000					
Course language:					
Notes:					
Course assessment Total number of assessed students: 315					
A	B	C	D	E	FX
91.43	6.35	2.22	0.0	0.0	0.0
Provides: Mgr. Michal Gallay, PhD., RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ ZBGa/04	Course name: Final work
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course: 5.	
Course level: I.	
Prerequisites: ÚGE/HUG2a/05	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course: Defining the aim of the thesis, acquaint with the problematic of thesis writing, acquaint with already achieved results in the relevant problematic. Studying cartographic and statistical papers, consulting at institutions which own archive documents and papers, basic reconnaissance of the terrain (terrain work), building the conception of the thesis, literature studying and literature search.	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 153	
abs	n
99.35	0.65
Provides: doc. RNDr. Zdenko Hochmuth, CSc., prof. RNDr. Peter Spišiak, CSc., RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., RNDr. Janetta Nestorová-Dická, PhD., Mgr. Marián Kulla, PhD., Ing. Katarína Bónová, PhD., RNDr. Stela Csachová, PhD., RNDr. Katarína Kozáková, PhD., Mgr. Ladislav Novotný, PhD., prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Michal Gallay, PhD., RNDr. Ján Kaňuk, PhD., prof. Ing. Vladimír Sedlák, PhD.	
Date of last modification: 11.02.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ ZBGb/04	Course name: Final work
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present	
Number of credits: 6	
Recommended semester/trimester of the course: 6.	
Course level: I.	
Prerequisites: ÚGE/ZBGa/04	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course: Defining the aim of the thesis, acquaint with the problematic of thesis writing, acquaint with already achieved results in the relevant problematic. Studying cartographic and statistical papers, consulting at institutions which own archive documents and papers, basic reconnaissance of the terrain (terrain work), building the conception of the thesis, literature studying and literature search.	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 139	
abs	n
98.56	1.44
Provides: doc. RNDr. Zdenko Hochmuth, CSc., prof. RNDr. Peter Spišiak, CSc., RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., RNDr. Janetta Nestorová-Dická, PhD., Mgr. Marián Kulla, PhD., Ing. Katarína Bónová, PhD., RNDr. Stela Csachová, PhD., prof. Mgr. Jaroslav Hofierka, PhD., Mgr. Michal Gallay, PhD., RNDr. Ján Kaňuk, PhD., prof. Ing. Vladimír Sedlák, PhD.	
Date of last modification: 11.02.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ BUI/01		Course name: Foundations of informatics			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of credits: 0					
Recommended semester/trimester of the course:					
Course level: I.					
Prerequisites: ÚINF/AFJ1a/03 and ÚINF/PAZ1b/03 and (ÚINF/PSE1/03 or ÚINF/PSIN/13) and ÚINF/SLO1a/06 and ÚINF/OSY1/11					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 73					
A	B	C	D	E	FX
6.85	4.11	20.55	21.92	42.47	4.11
Provides:					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ FUN1/14		Course name: Functional programming			
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 credits: 4					
Recommended semester/trimester of the course: 5.					
Course level: I., II.					
Prerequisites: ÚINF/PAZ1c/03					
Conditions for course completion:					
Learning outcomes: To learn bases of declarative programming (as complementary method to procedural programming) and basic methods of implementations of functional programming languages.					
Brief outline of the course: Principles of functional programming. Lambda calculus from the functional programming languages point of view. Properties of functional programming languages. Programming language Haskell: the structure of the language and basic computational rule, basic data types, lists, recursion and induction, trees					
Recommended literature: BIRD, R., WADLER, P.: Introduction to Functional Programming. Prentice Hall International, 1988. LIPOVAČA, M.: Learn You Haskell for Great Good!. Free from http://learnyouahaskell.com/					
Course language:					
Notes:					
Course assessment Total number of assessed students: 4					
A	B	C	D	E	FX
75.0	25.0	0.0	0.0	0.0	0.0
Provides: doc. Ing. Štefánia Gallová, CSc.					
Date of last modification: 25.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZKA/13		Course name: Fundamentals of Cartography			
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 credits: 7					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 139					
A	B	C	D	E	FX
9.35	19.42	23.02	17.27	26.62	4.32
Provides: prof. Mgr. Jaroslav Hofierka, PhD., RNDr. Ján Kaňuk, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GEP2/13		Course name: Fundamentals of Geology for Geographers			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 2 Per study period: 42 / 28 Course method: present					
Number of credits: 7					
Recommended semester/trimester of the course: 1.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Courses have following objectives: firstly, to introduce the current theories of processes which occur in the Earth (global tectonics, species of magmatism), secondly, to describe the rock-forming minerals, taxology of intrusive rocks, taxology of sedimentary rocks and rocks which had overcome metamorphosis, basics of the regional geology of Slovakia, basics of the historical geology and paleontology.					
Recommended literature: REICHWALDER, P., JABLONSKÝ, J., 2003: Všeobecná geológia I, II. UK, Bratislava, 507 s. MIŠÍK, M., CHLUPÁČ, I., CÍCHA, I., 1985: Stratigrafická a historická geológia. SPN, Bratislava, 570 s. HÓK, J., KAHAN, Š., AUBRECHT, R., 2001: Geológia Slovenska, PF UK, Bratislava, 47 s. BIELY, A. et al., 1996: Geologická mapa Slovenska. MŽP SR, GÚDŠ, Bratislava. BIZUBOVÁ, M., 2008: Základy geológie pre geografov. Univerzita Komenského Bratislava, 140 s. PELLANT, CH., PELLANTOVÁ, H., 1994: Horniny a minerály. Osveta, Martin, 256 s.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 801					
A	B	C	D	E	FX
8.24	15.36	31.21	27.72	13.36	4.12
Provides: Ing. Katarína Bónová, PhD., Ing. Ján Bóna					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/VGS/04		Course name: General physical and human geography and geography of Slovakia			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of credits: 0					
Recommended semester/trimester of the course:					
Course level: I.					
Prerequisites: ÚGE/GEM2/05 and ÚGE/FYG2/05 and ÚGE/OBY2/03 and ÚGE/HUG2a/05 and ÚGE/FGS/07 and ÚGE/HGS/07					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 462					
A	B	C	D	E	FX
16.23	24.03	24.03	19.7	13.64	2.38
Provides:					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GEE2/07		Course name: Geoecology			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of credits: 5					
Recommended semester/trimester of the course: 5.					
Course level: I.					
Prerequisites: ÚGE/BIG/07 or ÚGE/FYG2/05					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Focus will be put on the development of this discipline, different dimensions of the physical – geographic complexes, regularities of the space differentiation of the physical – geographic sphere, evolution, and dynamics of the physical – geographic complexes. Synthesis of the principles of landscape and landscape-ecological planning.					
Recommended literature: BEDRNA, Z., a kol. 1992: Analýza a čiastkové syntézy zložiek krajinej štruktúry. Bratislava. Učebné texty, 95 s.. MIČIAN, Ľ., ZATKALÍK, F. 1984: Náuka o krajine a starostlivosť o životné prostredie. UK Bratislava skriptá,137s. MIČIAN, Ľ. 1989: Pokus o novú definíciu krajinej ekológie. Ekológia (ČSFR), 3,1,Veda, Bratislava, s. 7-12. MIČIAN, Ľ. 2008: Všeobecná geoekológia. Bratislava: Geo-grafika, 88 s. – Skriptá.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 575					
A	B	C	D	E	FX
5.22	13.22	20.52	25.22	33.57	2.26
Provides: RNDr. Dušan Barabas, CSc., Mgr. Michal Gallay, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GZP1/12		Course name: Geography and Natural Environment I.			
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 credits: 5					
Recommended semester/trimester of the course: 5.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 188					
A	B	C	D	E	FX
10.64	18.62	15.96	23.4	30.85	0.53
Provides: RNDr. Peter Bohuš					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/MG/14	Course name: Geography of mining
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present	
Number of credits: 3	
Recommended semester/trimester of the course: 4.	
Course level: I.	
Prerequisites:	
Conditions for course completion: The evaluation is based on a combination of continuous and final control. The continuous control is carried out during the teaching part by written test with a share of 30 % of the final evaluation. The final control is written and constitutes 70 % of the final evaluation. The resulting evaluation is a weighted average of the continuous (30 %) and final (70 %) controls. Credits will be awarded only to student who achieves the evaluation at the minimum level of the mark E in every part of the evaluation.	
Learning outcomes: To acquaint students with basic facts and knowledge of the history of mining science from the view of geographic aspect to obtain information overview of the history of world and Slovak mining for geographic purposes.	
Brief outline of the course: Historical foundations of the global mining industry, mining oldest written records of mining heyday in the Middle Ages, the first mining maps, Slovak ore mining in the Austro-Hungarian Empire, First World Mining Academy in Banská Štiavnica mining and migration of the population, the world "gold rush", salt roads Europe, coal mining and electrification of industry, environmental consequences of mining devastation, mining open-air museums in Slovakia and Europe and their importance for the promotion of tourism.	
Recommended literature: Odporúčaná literatúra: Ježek, B. a Hummel, J., 2006: Georgius Agricola, Dvanásť kníh o baníctve a hutníctve. Preklad z českého originálu: Petr, K. a Petrová, M., Ostrava: Montanex a.s., 2006, 546s., ISBN 80-7225-218-6. Puzder, J., 2000: Samuel Mikovíni, život a dielo. Košice: FBERG TU Košice, 115s. Vozár, J., 2000: Zlatá kniha baníctva. Košice: Tibor Turčan/Banská agentúra, 2000, 263s., ISBN 80-968421-4-5. Vozár, J., 2002: Kódex mestského a banského práva Banskej Štiavnice. Košice: Tibor Turčan/Banská agentúra, 2002, 71s., ISBN 80-968621-2-X.	

Zícha, Z., 2005: Back to the past. The history of technology and manpower in the mining is a legacy which cannot be forgotten. Ústí nad Labem: CDL Design s.r.o., 2005, 98p., ISBN 80-902278-9-9.

Course language:

Slovak

Notes:

without notices

Course assessment

Total number of assessed students: 18

A	B	C	D	E	FX
61.11	38.89	0.0	0.0	0.0	0.0

Provides: prof. Ing. Vladimír Sedlák, PhD.

Date of last modification: 02.06.2014

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/OBY2/03	Course name: Geography of population and settlements
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 credits: 4	
Recommended semester/trimester of the course: 3.	
Course level: I.	
Prerequisites: ÚGE/UGE1/07	
Conditions for course completion: Evaluation of student performance is carried out by combining ongoing review during the term of examination for the period of the semester. Continuous control consists of min. 80 % of the active participation of students in teaching and successfully solving assignments. If a student does not reach required active participation of teaching and successfully does not solve the given problem can not log on to the test.	
Learning outcomes: The student will acquire theoretical and methodological basis of Geography of Population and Settlements. Students will acquire a basic spatial differentiation of population and settlements in the world according to basic characteristics.	
Brief outline of the course: Population geography as a science discipline; Trends and forecasts of the world population; Distribution of population; Natural and mechanical movement of population (natality, mortality, balance natural movement of the population, model of demographic cycle, population migration); Population structure on the basis of biological, cultural and economic characteristics; Geography settlements as a scientific discipline; Settlement development and settlement systems; Geographical location of settlements; The structure of settlements by size, dynamics and morphology; Urban geography (definition of city, creation of city and functions cities); The hierarchy of settlements and Gravity; Urbanization (basic concepts, indicators, aspects and methods of research); Rural settlement systems (compact and scattered rural settlements and their geographical interpretation). Seminars Seminars during the semester are oriented to problem solving in order to practice, resp. demonstrate phenomena studied in different regional units of Slovakia, Europe or Worldwide.	
Recommended literature: BAŠOVSKÝ, O., MLÁDEK, J. 1989: Geografia obyvateľstva a sídel. Prírodovedecká fakulta UK, Bratislava, 221. CHALUPA, P., TARABOVÁ, Z. 1990: Geografie obyvateľstva, demografie, geografie sídel. MU, Brno.	

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

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

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

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

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

VOTRUBEC, C. 1980: Lidská sídla, jejich typy a rozmístění ve světě. Academia Praha.

SHORT, J. R. 1994: Lidská sídla. Velká geografická encyklopedie světa. Nakladatelský dům OP Praha

Course language:

Slovak

Notes:

Course assessment

Total number of assessed students: 593

A	B	C	D	E	FX
9.78	14.0	24.79	23.78	23.95	3.71

Provides: RNDr. Janetta Nestorová-Dická, PhD.

Date of last modification: 11.02.2014

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GEX1/05		Course name: Geological excursion			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 3d Course method: present					
Number of credits: 1					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites: ÚGE/GEP2/13					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Visiting of different localities in the Western Carpathian tectonic units - Flysh belt, Klippen belt, Central Western Carpathians. Visiting of several localities of mining in Slovakia and getting to know the process of manufacturing of the rocks.					
Recommended literature: R. Seim, 1981: Minerale, Neuman Verlag, Leipzig.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 415					
A	B	C	D	E	FX
89.4	10.36	0.24	0.0	0.0	0.0
Provides: Ing. Katarína Bónová, PhD., Ing. Ján Bóna					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GEM2/05		Course name: Geomorphology			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 2 Per study period: 42 / 28 Course method: present					
Number of credits: 7					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites: ÚGE/GEP2/13					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 975					
A	B	C	D	E	FX
7.9	21.23	20.1	16.41	22.97	11.38
Provides: doc. RNDr. Zdenko Hochmuth, CSc., RNDr. Alena Gessert, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ NGS/06	Course name: German geographical seminar
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 credits: 2	
Recommended semester/trimester of the course: 3.	
Course level: I., II.	
Prerequisites:	
Conditions for course completion: On the basis of part-time works, 5 in total (á 20 points), the student will receive the end evaluation of the subject. For each work he should acquire minimal 11 points, so 55 points in total.	
Learning outcomes: After the subject attendance the student should be able to communicate with professional german terminology in writing and oral presentation.	
Brief outline of the course: The academic geographical terminology on particular topics of physical and human geography will be concerned. The world professionals of geography in the past and present. The system of university studies in Germany, German geographical periodicals, monographs. Geography of Germany.	
Recommended literature: BAUER, J., ENGLERT, W., MEIER, U., MORGENEYER, F., WALDECK, W., 2002: Physische Geographie kompakt. Spektrum Akademischer Verlag Heidelberg. 192 s. HOLLERBACH, E., NESS, N., 2002: Rhein- von Mainz bis Koeln. Rahmel - Verlag GmbH, Pulheim. 96 s. KOLEKTIV, 2004: Deutschland. Verlag Karl Baedeker Ostfildern. 1182 s. KUBALLA, S., 2001: Unbekanntes Deutschland. ADAC Verlag GmbH Munchen. 432 s. STRAHLER, H.A., STRAHLER, N.A., 1999: Physische Geographie. Verlag Eugen Ulmer Stuttgart. 294 s. ZEPP, H., MÜLLER, M.J., 1999: Landschaftsökologie Erfassungsstandards. Flensburg. 312 s.	
Course language: slovak, german	
Notes:	

Course assessment					
Total number of assessed students: 14					
A	B	C	D	E	FX
64.29	21.43	0.0	0.0	7.14	7.14
Provides: RNDr. Alena Gessert, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KGER/OJPV1/07		Course name: German Language for Specific Purposes - German in Natural Sciences 1			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present					
Number of credits: 2					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 120					
A	B	C	D	E	FX
19.17	20.83	27.5	23.33	8.33	0.83
Provides: Mgr. Eva Černáková, PhD., Dr. rer. pol. Michaela Kováčová					
Date of last modification: 05.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ ZGIS/12		Course name: GIS basics			
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 credits: 2					
Recommended semester/trimester of the course: 3.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: The class is mainly practical focusing on practical skills in geographic information systems. Software structure, data types and input, visualisation, geodatabases, editing, choropleth maps, cartodiagrams, layout design, cartographic projections and transformations.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 159					
A	B	C	D	E	FX
79.25	11.95	5.66	0.0	1.89	1.26
Provides: Mgr. Michal Gallay, PhD., RNDr. Ján Kaňuk, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KGER/ NJKG/07		Course name: Grammar in the German Language Communication			
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 credits: 2					
Recommended semester/trimester of the course:					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 46					
A	B	C	D	E	FX
54.35	13.04	8.7	4.35	10.87	8.7
Provides: Dr. rer. pol. Michaela Kováčová					
Date of last modification: 05.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ GNG/13		Course name: Graphic Tools 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 credits: 2					
Recommended semester/trimester of the course: 3.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 70					
A	B	C	D	E	FX
87.14	11.43	1.43	0.0	0.0	0.0
Provides: Mgr. Michal Gallay, PhD., RNDr. Alena Gessert, PhD., RNDr. Ján Kaňuk, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ HIG/06		Course name: Historical 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 credits: 2					
Recommended semester/trimester of the course: 3.					
Course level: I.					
Prerequisites: ÚGE/UGE1/07					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: The following topics are addressed at the seminars - historical geography as a scientific discipline, the overview of historical geography in Slovakia, the epoches of human civilisation development, population-geographical research, settlement process and stages of urbanisation, economic activities and changes of natural landscape to cultural one, historical sights and events as touristic attractions.					
Recommended literature: BAKER, A.R.H., 1987: Některé aspekty vývoje britské historické geografie v letech 1966-1986. In: Historická geografie 26. Praha, 25-43. CHRASTINA, P. 2005 : Historická geografia na Slovensku: minulosť, súčasnosť a perspektívy. Historická geografie 33, s. 420-432. JELEČEK, L., 2005 : Tři alternativní koncepce historické geografie v Česku. Historická geografie 33. KAŠPAR, J., 1966: O předmětu a úkolech historické geografie. In: Z českých dějin. Praha MARTINKA, J.: Historická geografia. In: Zborník Acta geologica et geografica, UK, č. 3, 1963. RIEDLOVÁ, M., DEMEK, J., PECH, J. 1980: Úvod do studia geografie a dějiny geografie. Praha 1980.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 408					
A	B	C	D	E	FX
85.54	14.22	0.0	0.0	0.25	0.0
Provides: prof. PhDr. Ladislav Tajták, PhD.					
Date of last modification: 11.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KFaDF/DF1/05		Course name: History of Philosophy and Philosophy of Education - Cultural and Socio-Anthropological Relations			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present					
Number of credits: 4					
Recommended semester/trimester of the course: 5.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 392					
A	B	C	D	E	FX
63.52	16.58	10.97	5.87	2.55	0.51
Provides: doc. PhDr. Pavol Tholt, PhD., mim.prof., Doc. PhDr. Peter Nezník, CSc.					
Date of last modification: 26.01.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/HUG/07	Course name: Human geography (nonproductive sphere)
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 credits: 3	
Recommended semester/trimester of the course: 5.	
Course level: I.	
Prerequisites: ÚGE/HUG2a/05	
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: BOROVSKÝ, J. a kol., 2008: Cestovný ruch, trendy a perspektívy. Iura Edition, 280 s. HALÁS, M., 2000: Zahraničný obchod SR s ČR. Geographical Studies 7, Constantine the Philosopher University Nitra, s. 98-107. HALL, C.M. - PAGE, S.J. 2002: The geography of tourism and recreation, 2. edition, London and New York, 399 p. HAVRLANT, J., 2007: Geografie cestovního ruchu I. Základy geografie cestovního ruchu, Ostravská univerzita, 41 s. MARIOT, P., 1983: Geografia cestovného ruchu. Veda, Bratislava, 224 s. OTRUBOVÁ, E., 2003: Humánna geografia II (Geografia zahraničného obchodu, Geografia cestovného ruchu). Prírodovedecká fakulta UPJŠ, Košice, 105 s. ŠTEPÁNEK, KOPAČKA, ŠÍP, 2001: Geografie cestovního ruchu, Vydalo Karolinum Praha, 228s.	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 398					
A	B	C	D	E	FX
19.6	26.13	26.63	18.34	9.05	0.25
Provides: Mgr. Marián Kulla, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ HUG2a/05	Course name: Human geography (productive sphere)
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present	
Number of credits: 5	
Recommended semester/trimester of the course: 4.	
Course level: I.	
Prerequisites: ÚGE/OBY2/03	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course: Location theories, factors and methods of industry evaluation. Territorial industrial units and regionalisation of the industry in Slovakia. Geographical characteristics of selected types of industry. Relationship of industry and environment. Trends in development and problems of the world economy. Development of agriculture and regularities of distribution of agricultural lands. The agricultural countries and their typology. The land use map. Geography of forests and its typology.	
Recommended literature: FALKOWSKI, J., KOSTROWICKI, J., 2001: Geografia rolnictwa świata. PWN, Warszawa, 516 p. KNOX, P., L., et al. 2010: Human geography. Places and regions in Global Context. pearson International Edition., 513 p. KOREC, P. 1994: Humánna geografia 1. Prírodovedecká fakulta, Univerzita Komenského, Bratislava, 120 s. MIRVALD, S., 2002: Geografie dopravy II. ZČU Plzeň, 56 s. MIRVALD, S., 2002: Geografie dopravy III. ZČU Plzeň, 43 s. POPJAKOVÁ, D., 1997: Základné kapitoly z geografie priemyslu, Prešov: PU, 144 s. SPIŠIAK, P., 2005: Základy geografie poľnohospodárstva a lesného hospodárstva. Prírodovedecká fakulta, Univerzita Komenského, Bratislava. 140 s. TOUŠEK, V. a kol., 2008: Ekonomická a sociální geografie, Plzeň, 2008, 411 s.	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 483					
A	B	C	D	E	FX
8.07	24.02	29.81	26.29	10.97	0.83
Provides: prof. RNDr. Peter Spišiak, CSc., Mgr. Marián Kulla, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/HGS/07		Course name: Human geography of the Slovak 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 credits: 5					
Recommended semester/trimester of the course: 6.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Formation of territory of Slovakia from the historical perspective. National, linguistic and religious structure of population. Types of urban and rural settlements. Administrative division of Slovakia and its historical development. Economic structure – raw materials, agriculture, industry, transportation, education and tourism of Slovakia.					
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: 230					
A	B	C	D	E	FX
3.48	9.57	16.52	38.26	29.13	3.04
Provides: RNDr. Janetta Nestorová-Dická, PhD., RNDr. Alena Gessert, PhD., Mgr. Marián Kulla, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

Date of last modification: 11.02.2014
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ MGS/06		Course name: Hungarian geographical seminar			
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 credits: 2					
Recommended semester/trimester of the course: 5.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Hungarian geographical terminology on particular topics in geology, geomorphology, climatology, hydrography, pedogeography, biogeography. The professionals from the past in Hungary, the system of university studies in Hungary. Hungarian geographical periodicals, monographs.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 12					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: prof. PhDr. Ladislav Tajták, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ HYP/06		Course name: Hydrological practicum			
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 credits: 2					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: The course is aimed at: - The collection, evaluation methods and processing of hydrological data, - Field respect specifically to measure water levels and flow rates, level of groundwater chemistry, pH, conductivity etc.. - Interpretation of the data - Processing balances					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 27					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: RNDr. Dušan Barabas, CSc.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KFaDF/ 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 credits: 2					
Recommended semester/trimester of the course: 6.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 10					
A	B	C	D	E	FX
50.0	20.0	10.0	0.0	10.0	10.0
Provides: doc. PhDr. Pavol Tholt, PhD., mim.prof.					
Date of last modification: 26.01.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KFaDF/ FVp/04		Course name: Chapters from Philosophy of Education			
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 credits: 2					
Recommended semester/trimester of the course: 5.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 3					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. PhDr. Pavol Tholt, PhD., mim.prof.					
Date of last modification: 26.01.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/ IB10/14	Course name: IB10 - Medzinárodný certifikát ECo-C	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/ IB11/14	Course name: IB11 - Medzinárodný certifikát ECDL	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 14		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/IB12/14	Course name: IB12 - Používanie, administrácia a vývoj v systéme SAP	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 54		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/IB1/14	Course name: IB1 - Etika v biomedicínskych vedách pre zdravotnícku prax	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/IB2/14	Course name: IB2 - Právne minimum – súkromnoprávne aspekty	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/IB3/14	Course name: IB3 - Právne minimum – verejnoprávne aspekty	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/ IB4/14	Course name: IB4 - Projektový manažment	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 20		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/IB5/14	Course name: IB5 - Manažérska ekonomika	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/ IB6/14	Course name: IB6 - Riešenie konfliktných a krízových situácií v školskej praxi	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/ IB7/14	Course name: IB7 - Štatistika pre prax	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/IB8/14	Course name: IB8 - Environmentálne aspekty záťaže životného prostredia	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 16		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: R UPJŠ/IB9/14	Course name: IB9 - Medzinárodný certifikát TOEFL	
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present		
Number of credits: 17		
Recommended semester/trimester of the course:		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
abs	n	neabs
0.0	0.0	0.0
Provides:		
Date of last modification: 11.08.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KFaDF/IH1/03		Course name: Idea Humanitas 1 (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 credits: 2					
Recommended semester/trimester of the course: 6.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 9					
A	B	C	D	E	FX
55.56	11.11	0.0	11.11	22.22	0.0
Provides: Doc. PhDr. Peter Nezník, CSc.					
Date of last modification: 26.01.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ IKTP/10		Course name: Information and Communication Technologies			
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 credits: 2					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Text processing using a word processor. Processing and evaluation of information using a spreadsheet. Search, retrieval and exchange of information via the Internet. Creating presentations.					
Recommended literature: 1. Franců, M: Jak zvládnout testy ECDL. Praha : Computer Press. 2007. 160 s. ISBN 978-80-251-1485-8 2. Jančařík, A. et al.: S počítačem do Evropy – ECDL. 2. vydanie. Praha : Computer Press, 2007. 152 s. ISBN 80-251-1844-3 3. Kolektív autorov: Syllabus ECDL verzia 5.0. [on-line] [citované 9.2.2010]. Dostupné na internete: < http://www.ecdl.sk/buxus/docs//interne_informacie/Syllabus_V5.0/20090630ECDL-SyllabusV50_SK-V01_FIN.pdf > 4. Kalakay, R. et al: Informačné a komunikačné technológie - prezenčný kurz. [on-line] [citované 9.2.2010]. Dostupné na internete: < http://moodle.science.upjs.sk/course/view.php?id=90 >					
Course language:					
Notes:					
Course assessment Total number of assessed students: 970					
A	B	C	D	E	FX
66.8	17.63	6.91	3.51	1.75	3.4
Provides: Mgr. Alexander Szabari, PhD., RNDr. Jozef Studenovský, CSc., RNDr. Zuzana Bednárová, PhD., doc. Ing. Štefánia Gallová, CSc.					
Date of last modification: 03.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ IKTD/10		Course name: Information and Communication Technologies - distance learning			
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 credits: 2					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Text processing using a word processor. Processing and evaluation of information using a spreadsheet. Search, retrieval and exchange of information via the Internet. Creating presentations.					
Recommended literature: 1. Franců, M: Jak zvládnout testy ECDL. Praha : Computer Press. 2007. 160 s. ISBN 978-80-251-1485-8 2. Jančařík, A. et al.: S počítačem do Evropy – ECDL. 2. vydanie. Praha : Computer Press, 2007. 152 s. ISBN 80-251-1844-3 3. Kolektív autorov: Syllabus ECDL verzia 5.0. [on-line] [citované 9.2.2010]. Dostupné na internete: < http://www.ecdl.sk/buxus/docs//interne_informacie/Syllabus_V5.0/20090630ECDL-SyllabusV50_SK-V01_FIN.pdf > 4. Kalakay, R. et al: Informačné a komunikačné technológie - prezenčný kurz. [on-line] [citované 9.2.2010]. Dostupné na internete: < http://moodle.science.upjs.sk/course/view.php?id=90 >					
Course language:					
Notes:					
Course assessment Total number of assessed students: 113					
A	B	C	D	E	FX
75.22	7.08	3.54	0.0	3.54	10.62
Provides: doc. Ing. Štefánia Gallová, CSc., RNDr. Jozef Studenovský, CSc., RNDr. Zuzana Bednárová, PhD.					
Date of last modification: 03.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ UGR1/04		Course name: Introduction to computer graphics			
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 credits: 5					
Recommended semester/trimester of the course: 3.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes: To provide the students with knowledge of graphics algorithms and basic principles of computer graphics.					
Brief outline of the course: Graphics hardware, input and output devices. Color models, palettes. Raster graphics algorithms for drawing 2D primitives. Filling and clipping. Curve modeling, interpolations and approximations, spline forms, Bézier curves, B-splines, surfaces. Homogenous coordinates, affine transformations, perspective and parallel projections. Visible-surface determination, illumination and shading. Rendering techniques, photorealism, textures, ray tracing, radiosity. Object representations, computer animation, virtual reality.					
Recommended literature: FOLEY, J. D., van DAM, A., FEINER, S., HUGHES, J.: Computer Graphics: Principles and Practice, Addison-Wesley, 1991 MORTENSON, M.E.: Geometric modeling, 2.ed., Willey, 1997					
Course language:					
Notes:					
Course assessment Total number of assessed students: 216					
A	B	C	D	E	FX
13.43	7.87	12.5	24.07	32.41	9.72
Provides: RNDr. Rastislav Krivoš-Belluš, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ UKR1/09		Course name: Introduction to Cryptology			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present					
Number of credits: 6					
Recommended semester/trimester of the course: 3.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes: Learn basic design principals and algorithms of symmetric and asymmetric cryptography. Specify how cryptographic tools are applied to achieve privacy and authentication. Understand both the importance of cryptographic key management, and the different key management requirements and practices associated with the use of different security techniques.					
Brief outline of the course: Cryptosystems, basic principles, breaking a cryptosystem, notions of cryptographic security. Classical cryptography and cryptoanalysis, block ciphers, stream ciphers. Public-key encryption, message authentication, signature schemes, hash functions, techniques for entity authentication and digital signatures. Protocols for key establishment, transport, agreement and maintenance. Certification and public-key infrastructure management.					
Recommended literature: STINSON, D. R. Cryptography: Theory and Practice. CRC Press, 2005. MAO, W. Modern Cryptography: Theory and Practice. Prentice Hall, 2003. SCHNEIER, B. Applied Cryptography. Wiley, 1996. MENEZES, A., OORSCHOT, P. van, VANSTONE, S. Handbook of Applied Cryptography. CRC Press, 1996.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 84					
A	B	C	D	E	FX
13.1	10.71	9.52	11.9	34.52	20.24
Provides: doc. RNDr. Jozef Jirásek, PhD., RNDr. Rastislav Krivoš-Belluš, PhD.					
Date of last modification: 03.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ UGE1/07	Course name: Introduction to 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 credits: 3	
Recommended semester/trimester of the course: 1.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Participation in exercises, successfully processed award, graduation the final test. Credits will not be awarded to students, who will not have successfully processed award and does not pass the final test min. to 60%.	
Learning outcomes: Students profit a basic orientation in the position and structure of the department, current development trends and literature. Students will create a comprehensive picture of discovering Earth and the gradual development of geography from the earliest times to the present in the context of the most important personalities and milestones of development. Students profit a basic information about the personality of Geography and applications of geography into practice.	
Brief outline of the course: Home geographic discipline is to provide students a basic orientation – object Geography, subject Geography, Landscape sphere of the Earth, System of geographic sciences (Haggett model, Demko model, model of Mičian, Lauko model), application geographic knowledge into practice, development of geographic thought (Period before Antik - oldest maps, market, strategic importance of geographic information, Ancient period - Greek geography, cosmological ideas - Roman geography, new cartographic methods, Mediaeval period - Arab geography, market, belief, cartography, compass, Period of large geographic discoveries - rediscovery of America, Around the World, Australia, Antarctica, Northern sea way), personality Geography (Humboldt, Ritter, Hetner, Bel, Hromádka, Lukniš), Human Geography, Regional Geography (basic theories and their representatives), Hettner School, use geography in practice.	
Recommended literature: RIEDLOVÁ, M., DEMEK, J., PECH, J. 1980: Úvod do studia geografie, dějiny geografie. Praha, SPN, 158 s. DEMEK, J. 1987: Úvod do štúdia teoretickej geografie. Bratislava, SPN. 241 s. KVITKOVIČ, J. 2000: Alexander von Humbolt - priekopník modernej geografie. Geografia, 8, 2, 73-78 s. LUKNIŠ, M. 1987: prof. Ján Hromádka ako vedec, pedagóg a človek. Geografický časopis, 38, 2-3, 118-125 s. TIBENSKÝ, J. a kol. 1987: Matej Bel - doba, život, dielo. Bratislava, Vyd. VEDA. 411 s.	

Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 705					
A	B	C	D	E	FX
5.96	11.63	28.37	27.94	24.4	1.7
Provides: RNDr. Katarína Kozáková, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ UNS1/04		Course name: Introduction to neural networks			
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 credits: 5					
Recommended semester/trimester of the course: 3.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes: To understand and to know applications of basic paradigms of neural networks. To learn working with software for neural network models.					
Brief outline of the course: Basic models of computational units - neurons (linear threshold gates, polynomial threshold gates, perceptrons), their computational capability, algorithms of adaptations. Feed-forward neural networks, back propagation algorithm. Hopfield neural networks. ART neural networks. Using neural networks to solving of problems. Genetic and evolution algorithms.					
Recommended literature: J. Hertz, A.Krogh, R.G. Palmer: Introduction to the theory of neural computation, Addison Wesley, 1991 HASSOUN, M. H.: Fundamentals of artificial neural networks, The MIT Press, 1995					
Course language:					
Notes:					
Course assessment Total number of assessed students: 336					
A	B	C	D	E	FX
8.04	15.18	23.81	21.43	27.08	4.46
Provides: doc. RNDr. Gabriela Andrejková, CSc.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ UIN1/13		Course name: Introduction to study of informatics			
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 credits: 4					
Recommended semester/trimester of the course: 1.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 159					
A	B	C	D	E	FX
30.19	21.38	18.24	15.72	5.03	9.43
Provides: doc. RNDr. Stanislav Krajčí, PhD., RNDr. Ondrej Kridlo, PhD., Mgr. Alexander Szabari, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: Dek. PF UPJŠ/USPV/13	Course name: Introduction to Study of Sciences
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: Per study period: 12s / 3d Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course: 1.	
Course level: I.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 539	
abs	n
95.18	4.82
Provides: doc. RNDr. Mária Kožurková, CSc., prof. RNDr. Katarína Cechlárová, DrSc., prof. RNDr. Beňadik Šmajda, CSc., prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Ivan Žežula, CSc., doc. RNDr. Vladimír Zelenák, PhD., Doc. RNDr. Jozef Hanč, PhD., RNDr. Ondrej Krídlo, PhD., Mgr. Vladislav Kolarčík, PhD., RNDr. Janetta Nestorová-Dická, PhD.	
Date of last modification: 17.02.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ KVA/08		Course name: Landscape at 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 credits: 5					
Recommended semester/trimester of the course: 5.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: A land in a quarternary era: The main content of this class are the climatic changes leading to a morfogenic precesses. This how the main land types were created. A quarternary era should be defined by the alternation of the cold seasons (glacial) and hot seasons (interglacial). This alternation leads to a changing of the climatic zones, vegetal and zoological formations. The appearance of a paleolithic man is also important, such as a evolution of the social formations, according to identification of archeologic artefacts.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 225					
A	B	C	D	E	FX
47.56	32.89	12.89	5.33	1.33	0.0
Provides: Ing. Katarína Bónová, PhD., Ing. Ján Bóna					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/MHG1/03		Course name: Mapping course of human geography			
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: Per study period: 4d Course method: present					
Number of credits: 1					
Recommended semester/trimester of the course: 5.					
Course level: I.					
Prerequisites: ÚGE/HUG2a/05					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: In the course of four day field mapping, students will practice the concrete methods of humangeographical research. The assignments students have to do are oriented on statistical collection of data on population, settlements, overall evaluation of landscape and land use, statistical equipment of households etc. The gained data are then appropriately transformed to cartographical outputs.					
Recommended literature: DUBCOVÁ, A. a kol., 2013: Didaktika geografie v teréne. UKF Nitra, 394 s. MLÁDEK, J. a kol. 1983: Cvičenia zo socioekonomickej geografie. Vysokoškolské skriptá, Prírodovedecká fakulta UK, Bratislava, 185 s. ŽIGRAI, F., 2004: Integrovaný význam štúdia využitia zeme pri výskume kultúrnej krajiny. In: Fyzickogeografický zborník 2. MU Brno, s. 7-13.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 289					
A	B	C	D	E	FX
98.62	0.35	0.69	0.0	0.35	0.0
Provides: RNDr. Katarína Kozáková, PhD., Mgr. Ladislav Novotný, PhD., prof. RNDr. Peter Spišiak, CSc., RNDr. Janetta Nestorová-Dická, PhD., Mgr. Marián Kulla, PhD., RNDr. Stela Csachová, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚMV/ MZIa/10		Course name: Mathematical foundations of informatics I			
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 credits: 6					
Recommended semester/trimester of the course: 1.					
Course level: I.					
Prerequisites:					
Conditions for course completion: Two tests and completion of individual homework. Based on semestral evaluation and examination test.					
Learning outcomes: To obtain basic knowledge in arithmetic, linear algebra, abstract algebra and calculus, to learn proof methods and to use the obtained knowledge in problem solving.					
Brief outline of the course: Integers, divisibility, congruences, congruence classes. Fields and groups. Systems of linear equations, matrices, matrix operations, determinants. Functions and their properties, continuity, limit, derivative. Analysis of functions.					
Recommended literature: Hut'ka, Benko, Ďurikovič: Matematika, Alfa, Bratislava 1991 D. Studenovská, T. Madaras, S. Mockovčiak: Zbierka úloh z matematiky pre nematematické odbory, UPJŠ 2006 D. Studenovská, T. Madaras: Matematika pre nematematické odbory, UPJŠ 2006 J. Ivan: Matematika 1, Alfa, Bratislava 1989 T. Katriňák a kol.: Algebra a teoretická aritmetika, Alfa, Bratislava 1986					
Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 132					
A	B	C	D	E	FX
0.0	5.3	7.58	10.61	44.7	31.82
Provides: doc. RNDr. Tomáš Madaras, PhD., RNDr. Pavel Molnár					
Date of last modification: 14.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚMV/ MZIb/10		Course name: Mathematical foundations of informatics II			
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 credits: 6					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites: ÚMV/MZIa/10					
Conditions for course completion: Based on results of two tests and individual homeworks. Based on semestral evaluation and examination test.					
Learning outcomes: To extend the obtained knowledge in mathematics by topics in integral calculus, differential equations and infinite series.					
Brief outline of the course: Indefinite and definite integral and their applications. Differential equations. Series, convergence criteria. Series of functions, Taylor expansion. Periodic functions, trigonometric series, Fourier expansion.					
Recommended literature: Huťka, Benko, Ďurikovič: Matematika, Alfa, Bratislava 1991 D. Studenovská, T. Madaras, S. Mockovčiak: Zbierka úloh z matematiky pre nematematické odbory, UPJŠ 2006 D. Studenovská, T. Madaras: Matematika pre nematematické odbory, UPJŠ 2006 J. Ivan: Matematika 2, Alfa, Bratislava 1989 T. Katriňák a kol.: Algebra a teoretická aritmetika, Alfa, Bratislava 1986					
Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 43					
A	B	C	D	E	FX
0.0	9.3	9.3	13.95	53.49	13.95
Provides: doc. RNDr. Tomáš Madaras, PhD., RNDr. Pavel Molnár					
Date of last modification: 14.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ NJ//13	Course name: Naval Yachting
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 36 Per study period: 504 Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 2	
abs	n
100.0	0.0
Provides: doc. Mgr. Rastislav Feč, PhD.	
Date of last modification: 15.01.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/OSY1/11		Course name: Operating systems			
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 credits: 4					
Recommended semester/trimester of the course: 3.					
Course level: I., II.					
Prerequisites: ÚINF/PAZ1a/10					
Conditions for course completion: Written tests.					
Learning outcomes: The purpose of the operating systems subject is to provide the students how to organize and control hardware and software so that the device is live and behaves in a flexible but predictable way.					
Brief outline of the course: Operating systems structure and components, process, files, threads, CPU processor scheduling, schedule algorithms, interprocess communications, deadlocks, synchronization, multitasking, virtualisation.					
Recommended literature: STALLINGS, W.: Operating Systems. Internal and Design Principles. Pearson, Prentice Hall, 2005. SILBERSCHATZ, A. et al.: Operating Systems Concepts. Addison-Wesley, Reading MA, 2000.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 102					
A	B	C	D	E	FX
32.35	6.86	17.65	12.75	19.61	10.78
Provides: doc. Ing. Štefánia Gallová, CSc., RNDr. Peter Gurský, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ FYG1/03		Course name: Physical geography 1			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present					
Number of credits: 5					
Recommended semester/trimester of the course: 3.					
Course level: I., II.					
Prerequisites: ÚGE/GEM2/05					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Hydrology of the running water, genesis and development of river basins, measuring of water and its flow. Genesis and the main types of lakes, temperatures, water movements. Sea and water currents, its chemical properties, relief of the sea-floor. Subsurface waters, glaciers. In the section of soil science and soil geography, physical and chemical nature of soils will be treated as well as actual and presently used systems of the soil classification. Distribution of different soil types in the world and Slovakia, principles of the soil zonality.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 558					
A	B	C	D	E	FX
2.33	4.3	19.18	27.96	38.53	7.71
Provides: RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ FYG2/05		Course name: Physical geography 2			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present					
Number of credits: 5					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites: ÚGE/FYG1/03					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Atmospheric conditions and their physical origins, general planetary air circulation, most important climatic types and the climate of Slovakia. Measuring of the basic meteorological events will be done by students in the practical part of this course. In the study of biogeography we will focus on the biosphere as a part of the physical-geographic sphere. Further focus will be put on the function and position of organisms on the surface, as well as the main regularities of their distribution throughout the world. Phytogeographical and zoogeographical regions of the world and Slovakia. In the practical part students acquaint with the soil profiles and important kinds of plants in Slovakia.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 520					
A	B	C	D	E	FX
30.0	25.38	26.15	10.77	7.12	0.58
Provides: doc. RNDr. Zdenko Hochmuth, CSc., RNDr. Alena Gessert, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/FGS/07		Course name: Physical geography of the Slovak 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 credits: 6					
Recommended semester/trimester of the course: 5.					
Course level: I.					
Prerequisites: ÚGE/BIG/07 or ÚGE/FYG2/05					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: The position of Slovakia within the fundamental European macrostructures. Geology of Slovakia, basic geological units, geomorphological evolution of the Slovak landscape, geomorphological units. Climate and phenology of Slovakia, superficial and subsurface waters of Slovakia, river network, soils and biogeography of Slovakia, landscape structure.					
Recommended literature: .					
Course language:					
Notes:					
Course assessment Total number of assessed students: 541					
A	B	C	D	E	FX
19.78	31.42	26.8	13.86	6.47	1.66
Provides: doc. RNDr. Zdenko Hochmuth, CSc., RNDr. Alena Gessert, PhD., RNDr. Janetta Nestorová-Dická, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ PLG/11	Course name: Planetary 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 credits: 3	
Recommended semester/trimester of the course: 1.	
Course level: I.	
Prerequisites:	
Conditions for course completion: The evaluation is based on a combination of the continuous and final control. The continuous control is carried out in the form of tasks on an individual work with a share of 30% of the resultant evaluation. The final control is written and constitutes 70% of the resultant evaluation. The resultant evaluation is a weighted average from the continuous (30%) and final (70%) control. Credits will be awarded only to student who achieves the evaluation at the minimum level of the mark E in every part of the evaluation.	
Learning outcomes: Basic theoretical knowledge about the universe, the solar system, astronomy and astrophysics. The principles of operation of the solar system mechanics in order to obtain a basic understanding of the planetary geography.	
Brief outline of the course: A brief overview of astronomy. The emergence and development of fundamental knowledge about the Earth and the universe. Space system components and building solar system: origin and evolution of the solar system and solar system objects. Mechanics of the solar system - Kepler's laws of planetary orbits elements, aspects and anomalies, solar system objects. Celestial sphere. Movements of the sun, moon and celestial bodies. Basic data on the Earth. Movements of Earth and their geographical implications. Coordinate systems and basic orientation on the surface. Time and calendar, timing and time zones.	
Recommended literature: Andrlé, P., 1971: Základy nebeskej mechaniky. Praha: Academia, 1971, 305s. Brázdil, R., Mucha, L., Okáč, Z., 1981: Matematická geografie. Praha: NTL, 1981, 273s. Brázdil, R. a kol., 1988: Úvod do studia planety Země. Praha: SPN, 1988, 365 s. Čeman, R., Pittich E., 2005: Vesmír I - Slnečná sústava. Bratislava: MAPA Slovakia, 2005, 383s. Čapek, R. 1992: Planetární geografie. Praha: Karolinum, Praha, 84s. Dušek, J., Grigar, J. a Pokorný, Z., 2009: Náš vesmír. Praha: Aventinum, 2009, 255s., ISBN: 9788086858654. Farndon, J., 2003: 1000 zaujímavostí o vesmíre. Bratislava: Belimex, 2003, 224s., ISBN: 80-89083-33-1. Ferris, T., 2005: Všetko o vesmíre. Bratislava: Remedium, 2005, 415s., ISBN: 8088993857.	

Grego, D., 2011: Neuveriteľný vesmír, Praha: Albatros, 2011, 120s., ISBN: 978-80-00-02818-7.
Hilbert, H., 2001: Vybrané kapitoly z planetárnej geografie. Banká Štiavnica: UMB Fakulta prírodných vied, 2001, 96s.
Hlaváč, Z., 2000: Základy sférické astronomie a nebeské mechaniky, Plzeň: Západočeská univerzita, 2000, ISBN 80-7082-694-0.
Jakeš, P., 1984: Planeta Země. Praha: Mladá fronta, 1984, 416s.
Némethová, J. a Garai, Z., 2008: Zbierka otázok a úloh z planetárnej geografie. Nitra: UKF, 2009, ISBN: 9788080945602.
Astronomická ročenka 2013, 2014, journal, Hurbanovo: Slovenská ústredná hviezdáreň (Slovak Central Observatory).

Course language:

Slovak

Notes:

without notes

Course assessment

Total number of assessed students: 746

A	B	C	D	E	FX
20.11	21.31	26.01	19.57	10.72	2.28

Provides: prof. Ing. Vladimír Sedlák, PhD.

Date of last modification: 11.02.2014

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ PVS/12	Course name: Population development 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 credits: 5	
Recommended semester/trimester of the course: 6.	
Course level: I., II.	
Prerequisites:	
Conditions for course completion: The evaluation of student's performance is implemented through a combination of current, random control during the term and the examination part within a particular period of the semester. This type of continuous control includes at least 80% of students' active participation in teaching and successful solutions of given assignments. If a student does not follow and fulfil these two conditions, i. e. compulsory active learning part of the course, together with active participation and in addition will not solve assigned tasks successfully cannot 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 Student shall acquires deeper knowledge of the population of Slovakia in terms of time and 3-D.	
Brief outline of the course: Development of the population and its spatial differentiation, population Dynamics (natural, migration, the total movement); Reproduction of the population; Migration for work, Foreign and internal migration; The ageing of the population; The specificities of the Roma population in Slovakia; The educational structure of the population; Economic, social, according to the marital status of the population structure; Ethnic and religions structure of the population ; Slovakia in the EU in terms of population processes; The demographic future of Slovakia. Seminars Workshops during the semester are focused on filling the solution of tasks in order to practice or demonstrate the phenomena studied in the different regional units.	
Recommended literature:	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 96					
A	B	C	D	E	FX
76.04	1.04	5.21	5.21	8.33	4.17
Provides: RNDr. Janetta Nestorová-Dická, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ PRP2/14		Course name: Principles of computers			
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 credits: 4					
Recommended semester/trimester of the course: 2.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 66					
A	B	C	D	E	FX
34.85	10.61	19.7	13.64	19.7	1.52
Provides: doc. Ing. Štefánia Gallová, CSc.					
Date of last modification: 19.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/ PAZ1a/10	Course name: Programming, algorithms, and complexity
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 4 Per study period: 42 / 56 Course method: present	
Number of credits: 8	
Recommended semester/trimester of the course: 1.	
Course level: I., II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes: The course does not require having any programming experiences. The aim of the course is to teach students basics of algorithms and programming. The methodology used in the course is “object oriented programming first”. The primary goal of the course is to teach students to make good programming habits and a good object-oriented design. The programming language used in the course is Java with professional IDE Eclipse.	
Brief outline of the course: First part of the course (with turtle graphics): New Eclipse project, interactive communication with objects, simple turtle graphics, making user methods, local variables, variable types, arithmetic and logical expressions, random numbers, conditions, loops for and while, debugging, references, chars, Strings, arrays, instance variables, mouse events, simple array algorithms. Second part of the course (without turtle graphics): Exceptions, using try-catch-finally block, files and directories, conversion from string variables, encapsulation, constructors with parameters, constructors hierarchy, getters and setters, interfaces, inheritance and polymorphism, abstract classes and methods, packages, visibility modifiers, sorting using Arrays.sort() and interfaces Comparable and Comparator, Java Collections Framework: autoboxing, interface List, ArrayList, LinkedList, interface Set and class HashSet, methods equals() and hashCode(), for-each loop, interface Map and class HashMap, custom Exceptions, rethrowing exceptions, exceptions' inheritance, Runtime exceptions, Errors, static variables and methods.	
Recommended literature: ECKEL, B.: Thinking in Java, Pearson, 2006 SIERRA, K., BATES, B.: Head First Java, O'Reilly Media; 2nd edition, 2005	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 421					
A	B	C	D	E	FX
15.68	7.84	12.35	15.2	12.59	36.34
Provides: RNDr. Peter Gurský, PhD., RNDr. František Galčík, PhD., PaedDr. Ján Guniš, PhD., RNDr. Zuzana Bednárová, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/PAZ1b/03		Course name: Programming, algorithms, and complexity			
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 4 Per study period: 28 / 56 Course method: present					
Number of credits: 7					
Recommended semester/trimester of the course: 2.					
Course level: I., II.					
Prerequisites: ÚINF/PAZ1a/10 or ÚFV/POF1b/99					
Conditions for course completion: Oral and practical examination.					
Learning outcomes: To understand basic principles of algorithm design (including basic data structures). To apply these principles and knowledge to solve simple algorithmic tasks efficiently.					
Brief outline of the course: Recursion, introduction to time complexity and O-notation, binary search and sorting algorithms (SelectionSort, QuickSort, MergeSort, HeapSort), basic data structures (linked list, stack, queue, trees, binary search trees) – implementation and applications, backtracking, divide and conquer, dynamic programming, greedy algorithms, basic graph algorithms (DFS, BFS, Dijkstra's algorithms, Bellman-Ford algorithm, Floyd-Warshall algorithm, topological sorting), introduction to stringology.					
Recommended literature: CORMEN, T.H., LEISERSON, Ch.E., RIVEST, R.L, STEIN, C. Introduction to Algorithms. The MIT Press, 2009. KLEINBERG, J., TARDOS, E.: Algorithm Design, Cornell University, Addison Wesley, New York, 2006.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 991					
A	B	C	D	E	FX
11.2	6.26	9.89	20.18	24.22	28.25
Provides: RNDr. František Galčík, PhD., PaedDr. Ján Guniš, PhD., RNDr. Zuzana Bednárová, PhD., Mgr. Matej Nikorovič, doc. RNDr. Gabriela Andrejková, CSc.					
Date of last modification: 03.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/ PRS/11	Course name: Programming of robotic kits
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 0 / 3 Per study period: 0 / 42 Course method: present	
Number of credits: 3	
Recommended semester/trimester of the course: 6.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Assessment of individual work on computers for a number of sub-assignments - robotic mini-project. Creating and presenting a programmed robotic model including documentation.	
Learning outcomes: - To acquire an overview of robotic sets and robotic programming environments. - To acquire skills in constructing and programming robots in selected robotic programming environments.	
Brief outline of the course: Robotic set (Lego Mindstorms) - components, engines, sensors, basics of constructing of the mechanical parts of the model. Programming robotic models in languages NXT-G and NXC - branching statements, loops, blocks, events, parallel processes that work with sensors, datalogging, communication among several NXT bricks. Creating mini-project (eg, traffic lights, parking, dance creations, guitar, smart thermometer, measuring distance). Robotic competition, ideas for demanding projects. Creation and presentation of the final project - a programmed robot model (eg, navigate a maze, sports, paramedic) including documentation.	
Recommended literature: 1. BUMGARDNER, J. (2007) The Origins of Mindstorms. Wired, 2007. http://www.wired.com/geekdad/2007/03/the_origins_of_/ 2. Carnegie Mellon. Robotics Academy. http://www.education.rec.ri.cmu.edu/ 3. KABÁTOVÁ, M. a kol. (2010) Ďalšie vzdelávanie učiteľov základných škôl a stredných škôl v predmete informatika: Didaktika robotických stavebníc. Bratislava : ŠPÚ, 2010. ISBN 978-80-8118-070-5 4. KABÁTOVÁ, M. - PEKÁROVÁ, J. (2008) Hra = učenie sa. LEGO a robotika vo vyučovaní budúcich učiteľov. Didinfo 2008. Banská Bystrica: FPV UMB. ISBN 978-80-8083-556-9 5. PETROVIČ, P. - BALOGH, R. - PEKÁROVÁ, J. (2008) Robotické vzdelávacie iniciatívy. In: Informatika v škole a v praxi. Zborník 4. ročníka medzinárodnej konferencie. Ružomberok: Pedagogická fakulta Katolíckej univerzity v Ružomberku, str. 239 – 248. ISBN 978-80-8084-362-5	

Course language:					
Notes:					
Course assessment					
Total number of assessed students: 35					
A	B	C	D	E	FX
51.43	17.14	17.14	0.0	0.0	14.29
Provides: RNDr. Ľubomír Šnajder, PhD., RNDr. Jozef Studenovský, CSc.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/ PSW1/06	Course name: Programming of web-pages
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 credits: 2	
Recommended semester/trimester of the course: 2., 4.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Evaluation of partial assignments. The secure dynamic web applications using JavaScript, PHP, MySQL.	
Learning outcomes: Acquire overview about modern technologies to make dynamic web pages. Be able to make web pages with cascading styles according to W3C standards. Use technologies on server side (PHP) and on client side (JavaScript). Understand relational databases (MySQL). Understand web applications security risks and know how to eliminate them.	
Brief outline of the course: Principle of making web pages. HTML language, W3C standards. Optimization of work, cascading styles. Tools for creating the web. Programming in JavaScript. Simple scripts for dynamic web pages. Programming on server side, script language PHP. Application based on PHP. Work with MySQL database. Conjunction of used technologies. Selected problems resolvable by technologies on server side and on client side.	
Recommended literature: GILMORE, W. Jason. Beginning PHP and MySQL: from novice to professional. 4th ed. New York: Apress, 2010. ISBN 978-143-0231-141. KOSEK, Jiří. PHP - tvorba interaktivních internetových aplikací: podrobný průvodce. Vyd. 1. Praha: Grada, 1999, 490 s. Průvodce (Grada). ISBN 80-716-9373-1. SUEHRING, Steve a Janet VALADE. <i>PHP, MySQL, JavaScript</i>. Vyd. 1. Brno: Computer Press, 2006, xxiv, 692 pages. --For dummies. ISBN 978-1-118-21370-4. HUSEBY, Sverre H. Zranitelný kód. Brno: Computer Press, 2006, 207 s. ISBN 80-251-1180-6. THE OWASP FOUNDATION. OWASP [online]. 2014 [cit. 2014-02-26]. Dostupné z: https://www.owasp.org/index.php/Main_Page	
Course language: slovak	
Notes:	

Course assessment					
Total number of assessed students: 165					
A	B	C	D	E	FX
9.09	7.88	7.88	6.67	24.24	44.24
Provides: RNDr. Ľubomír Šnajder, PhD., PaedDr. Ján Guniš, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/ PBS/07	Course name: Pro-seminar to bachelor thesis
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 1 Per study period: 14 Course method: present	
Number of credits: 1	
Recommended semester/trimester of the course: 4.	
Course level: I.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course: The seminar is oriented to problems prospective to preparations of Bachelor theses.	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 184	
abs	n
90.22	9.78
Provides: RNDr. Tomáš Horváth, PhD., RNDr. František Galčík, PhD.	
Date of last modification: 03.02.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: KPPaPZ/PPZBc/12		Course name: Psychology and Health Psychology (Bc. 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 credits: 4					
Recommended semester/trimester of the course: 5.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 92					
A	B	C	D	E	FX
14.13	20.65	25.0	28.26	11.96	0.0
Provides: PhDr. Anna Janovská, PhD., PhDr. Karolína Barinková, PhD., Mgr. Lucia Hricová					
Date of last modification: 04.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ DPZ/12		Course name: Remote sensing			
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 credits: 3					
Recommended semester/trimester of the course: 4.					
Course level: I., II.					
Prerequisites: ÚGE/ZKA/13					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Remote Sensing includes – electromagnetic radiation, electromagnetic spectrum, radiometric quantities. Radiation sources, interaction with the surrounding, reflection, impact of the atmosphere, diffusion in the atmosphere, absorption in the atmosphere, landscape objects and their identification and appreciation, data acquire - basic division, cameras, film material, types of aerial images, radiometer, mechanical scanner, electronic scanner, carriers, satellites and their instrumentation, principals of remote sensing data postprocessing, interpretation of satellite and aerial images, remote sensing applications.					
Recommended literature: Lillesand, T. M., Kiefer, R. W., 2002: Remote Sensing and Image Interpretation., New York, John Wiley&Sons, x, 724 s.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 261					
A	B	C	D	E	FX
19.16	24.14	31.03	16.48	9.2	0.0
Provides: Mgr. Michal Gallay, PhD., prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ RUR/08		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 credits: 5					
Recommended semester/trimester of the course: 6.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: Rural Geography - theory, methodology, development, position within Geography, affiliating science disciplines, topics in rural geography – regional, settlement, economic, rural as a object of research, rural settlement, rural (alternatively) urban (suburban), second housing, quality of life in the country, rural communities, marginal rural regions, rural structures in Slovakia to 1989 and after 1989, transition of rural space in selected countries of central Europe, rural areas in the world.					
Recommended literature: PACIONE, M., 1984: Rural Geography. Harper and Row, London and New York ROBINSON, G.,M., 1998: Conflict and Change in the countryside. John Wiley & Sons. Chichester. 483 pp. SPIŠIAK, P., a kol., 2005: Agorurálne štruktúry Slovenska po roku 1989. Geo-grafika, Bratislava, 183 s. SPIŠIAK, P. , 2007: Základy geografie poľnohospodárstva a lesného hospodárstva, Vyd.UK, I. vyd. Bratislava, 147 s. ZUBRICZKÝ, G. , 2003: Rurálna geografia. Mapa Slovakia, Škola, s r.o. Bratislava, pp. 64.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 236					
A	B	C	D	E	FX
38.98	31.78	19.07	8.05	1.27	0.85
Provides: prof. RNDr. Peter Spišiak, CSc., RNDr. Katarína Kozáková, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

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: 36 Per study period: 504 Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 7	
abs	n
57.14	42.86
Provides: Mgr. Alena Buková, PhD., Mgr. Agata Horbacz, PhD.	
Date of last modification: 15.01.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/BSI1a/04		Course name: Seminar in informatics			
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 credits: 2					
Recommended semester/trimester of the course: 5.					
Course level: I.					
Prerequisites:					
Conditions for course completion: Presentation of algorithms for problems of a higher complexity. Presentation of results connecting to the bachelor theses, known and own results.					
Learning outcomes: To inform students about new results in informatics with the goal using them in bachelor theses.					
Brief outline of the course: The seminar has a connection to the bachelor theses and to the repetitorium in informatics. Students present results of their work once in semester at least.					
Recommended literature: Sources of problems: www.ksp.sk www.ksp.sk/MOP/ Special research literature according to bachelor theses.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 171					
A	B	C	D	E	FX
17.54	16.96	24.56	18.13	20.47	2.34
Provides: doc. RNDr. Gabriela Andrejková, CSc.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/BSI1b/04		Course name: Seminar in informatics			
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 credits: 2					
Recommended semester/trimester of the course: 6.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes: To inform students about new results in informatics with the goal using them in bachelor theses. To repeat important knowledges in informatics.					
Brief outline of the course: The seminar has a connection to the bachelor theses and to the repetitorium in informatics. Students present results of their work once in semester at least. To get credits, it is necessary to get the developed number of points from repetitorium.					
Recommended literature: Sources of problems: www.ksp.sk www.ksp.sk/MOP/ Special research literature according to bachelor theses.					
Course language:					
Notes:					
Course assessment Total number of assessed students: 98					
A	B	C	D	E	FX
22.45	21.43	26.53	18.37	10.2	1.02
Provides: doc. RNDr. Gabriela Andrejková, CSc.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ SBP1/07	Course name: Seminar of bachelor work
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 credits: 2	
Recommended semester/trimester of the course: 5.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Verification of acquired basic methodologic and formal procedures of the final thesis creation by presentation (70% of rating) and written examination (30%). To obtain A grade, weighted average of the both parts of examination must reach at least 90%, To obtain B it is 80%, for C it is 70%, for D 60% and for E 50%. Credits shall not be granted to a student who obtain less than 50% from any of both parts of examination.	
Learning outcomes: Mastering basic theoretical, methodological and formal scientific procedures of bachelor thesis creation.	
Brief outline of the course: The content and form of selected parts of thesis writing (abstract, introduction, conclusion, etc.) Ethics and culture of writing diploma thesis, citations and references, types of sources (printed, electronic, etc.). Formal aspects of the thesis. Linguistic adjustment (terminology, stylistics, syntax, grammar, typography). Rules of presentation of the thesis. Presentation of current results and state of diploma thesis.	
Recommended literature: 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: 202					
A	B	C	D	E	FX
97.03	1.49	0.0	0.0	1.49	0.0
Provides: Mgr. Ladislav Novotný, PhD., prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ SBP2/07		Course name: Seminar of bachelor work			
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 credits: 2					
Recommended semester/trimester of the course: 6.					
Course level: I.					
Prerequisites:					
Conditions for course completion: Verification of acquired methodological and formal procedures of the creation of bachelor thesis by the presentation of current thesis creation by presentation of own bachelor thesis (100% of rating). To obtain A grade, the rating of 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.					
Course language: Slovak					
Notes:					
Course assessment Total number of assessed students: 191					
A	B	C	D	E	FX
90.58	4.71	3.14	1.05	0.52	0.0
Provides: Mgr. Ladislav Novotný, PhD., prof. Mgr. Jaroslav Hofierka, PhD.					
Date of last modification: 11.02.2014					

Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ SWI1/07		Course name: Software engineering			
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 credits: 3					
Recommended semester/trimester of the course: 4.					
Course level: I.					
Prerequisites: ÚINF/DBS1a/03					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: System, subsystem, software system. Software processes. Introduction to project management. Requirements gathering. Software modeling. Introduction to UML. Software architectures. Software development methodologies. Verification and validation. Resource management.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 59					
A	B	C	D	E	FX
1.69	10.17	15.25	20.34	37.29	15.25
Provides: doc. RNDr. Gabriel Semanišin, PhD., Mgr. Alexander Szabari, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: ÚTVŠ/ TVa/11	Course name: Sports Activities I.	
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present		
Number of credits: 2		
Recommended semester/trimester of the course: 1.		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 7160		
abs	n	neabs
88.42	7.82	3.76
Provides: PaedDr. Imrich Staško, doc. PhDr. Ivan Šulc, CSc., doc. Mgr. Rastislav Feč, PhD., Mgr. Ivan Matúš, PhD., Mgr. Zuzana Küchelová, Mgr. Peter Bakalár, PhD., doc. PaedDr. Ivan Uher, PhD., PaedDr. Milena Švedová, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, Mgr. Dávid Kaško		
Date of last modification: 15.01.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: ÚTVŠ/ TVb/11	Course name: Sports Activities II.	
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present		
Number of credits: 2		
Recommended semester/trimester of the course: 2.		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 6364		
abs	n	neabs
84.95	11.06	3.99
Provides: PaedDr. Imrich Staško, doc. Mgr. Rastislav Feč, PhD., doc. PhDr. Ivan Šulc, CSc., Mgr. Ivan Matúš, PhD., Mgr. Zuzana Küchelová, doc. PaedDr. Ivan Uher, PhD., Mgr. Peter Bakalár, PhD., PaedDr. Milena Švedová, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, Mgr. Dávid Kaško		
Date of last modification: 15.01.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: ÚTVŠ/ TVc/11	Course name: Sports Activities III.	
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present		
Number of credits: 2		
Recommended semester/trimester of the course: 3.		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 4191		
abs	n	neabs
89.91	4.72	5.37
Provides: PaedDr. Imrich Staško, doc. Mgr. Rastislav Feč, PhD., doc. PhDr. Ivan Šulc, CSc., Mgr. Ivan Matúš, PhD., Mgr. Zuzana Küchelová, doc. PaedDr. Ivan Uher, PhD., PaedDr. Milena Švedová, PhD., Mgr. Peter Bakalár, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, Mgr. Dávid Kaško		
Date of last modification: 15.01.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: ÚTVŠ/ TVd/11	Course name: Sports Activities IV.	
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present		
Number of credits: 2		
Recommended semester/trimester of the course: 4.		
Course level: I., I.II., II.		
Prerequisites:		
Conditions for course completion:		
Learning outcomes:		
Brief outline of the course:		
Recommended literature:		
Course language:		
Notes:		
Course assessment Total number of assessed students: 3363		
abs	n	neabs
86.14	6.78	7.08
Provides: PaedDr. Imrich Staško, doc. Mgr. Rastislav Feč, PhD., doc. PhDr. Ivan Šulc, CSc., Mgr. Ivan Matúš, PhD., Mgr. Zuzana Küchelová, PaedDr. Milena Švedová, PhD., Mgr. Peter Bakalár, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, Mgr. Dávid Kaško		
Date of last modification: 15.01.2014		
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.		

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚGE/ SVG/04		Course name: Students scientific conference of geography			
Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present					
Number of credits: 4					
Recommended semester/trimester of the course: 6.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course: After choosing a topic suggested by supervisors implying a geographical problem, the students will work on the topic, write a thesis and defense it before the committee.					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 140					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. RNDr. Zdenko Hochmuth, CSc., prof. RNDr. Peter Spišiak, CSc., RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., RNDr. Janetta Nestorová-Dická, PhD., Mgr. Marián Kulla, PhD., Ing. Katarína Bónová, PhD., RNDr. Stela Csachová, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajči, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

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: 36 Per study period: 504 Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 63	
abs	n
41.27	58.73
Provides: Mgr. Peter Bakalár, PhD.	
Date of last modification: 15.01.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

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: 36 Per study period: 504 Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 185	
abs	n
41.62	58.38
Provides: Mgr. Marek Valanský	
Date of last modification: 15.01.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ SLO1a/06		Course name: Symbolic logic			
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 credits: 5					
Recommended semester/trimester of the course: 6.					
Course level: I., II.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes: To understand basic notions of sentence and predicate logic - sentence, sentence scheme, provability, satisfiability, term, formula.					
Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic.					
Recommended literature: GOLDSTERN M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 http://cs.ics.upjs.sk/~krajci/skola/vyucba/ucebneTexty/logika/logika.pdf					
Course language:					
Notes:					
Course assessment Total number of assessed students: 324					
A	B	C	D	E	FX
18.21	7.41	13.58	12.35	33.33	15.12
Provides: doc. RNDr. Stanislav Krajčí, PhD.					
Date of last modification: 03.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice					
Faculty: Faculty of Science					
Course ID: ÚINF/ SPP1a/14		Course name: Školské programovacie prostredia I.			
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 credits: 4					
Recommended semester/trimester of the course: 3.					
Course level: I.					
Prerequisites:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the course:					
Recommended literature:					
Course language:					
Notes:					
Course assessment Total number of assessed students: 240					
A	B	C	D	E	FX
36.25	20.0	17.08	10.42	9.17	7.08
Provides: RNDr. Ľubomír Šnajder, PhD., RNDr. František Galčík, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚINF/ SPP1b/14	Course name: Školské programovacie prostredia II.
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 credits: 4	
Recommended semester/trimester of the course: 6.	
Course level: I.	
Prerequisites:	
Conditions for course completion: Creation of educational project in selected children's programming environment (Scratch/AppInventor). Designing and presentation of graded tasks collection in selected children's programming environment.	
Learning outcomes: 1. To get an overview of children's programming environments. 2. To acquire programming skills in selected children's programming environments. 3. To compile a collection of graded learning tasks on programming.	
Brief outline of the course: Teaching of algorithms and programming in elementary school - the objectives, content, textbooks and methodological materials. Algorithmic computer games. Overview of children's programming environments. Programming in Scratch/AppInventor, creating educational projects. Creating graded set of tasks to selected children's programming environment.	
Recommended literature: 1. LOVÁSZOVÁ, G. a kol. (2010) Ďalšie vzdelávanie učiteľov základných škôl a stredných škôl v predmete informatika: Malé programovacie jazyky. Bratislava : ŠPÚ, 2010. ISBN 978-80-8118-066-8 2. SALANCI, Ľ. a kol. (2010) Ďalšie vzdelávanie učiteľov základných škôl a stredných škôl v predmete informatika: Didaktika programovania. Bratislava : ŠPÚ, 2010. ISBN 978-80-8118-065-1 3. LOVÁSZOVÁ, G. a kol. (2011) Ďalšie vzdelávanie učiteľov základných škôl a stredných škôl v predmete informatika: Didaktika programovania pre ZŠ 1. Bratislava : ŠPÚ, 2010. ISBN 978-80-8118-080-4 4. LOVÁSZOVÁ, G. a kol. (2011) Ďalšie vzdelávanie učiteľov základných škôl a stredných škôl v predmete informatika: Didaktika programovania pre ZŠ 2. Bratislava : ŠPÚ, 2010. ISBN 978-80-8118-091-0	
Course language:	
Notes:	

Course assessment					
Total number of assessed students: 7					
A	B	C	D	E	FX
85.71	0.0	14.29	0.0	0.0	0.0
Provides: RNDr. Ľubomír Šnajder, PhD., PaedDr. Ján Guniš, PhD.					
Date of last modification: 11.02.2014					
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.					

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚTVŠ/ ZKLS//13	Course name: Winter Ski Training Course
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 36 Per study period: 504 Course method: present	
Number of credits: 2	
Recommended semester/trimester of the course:	
Course level: I., II.	
Prerequisites:	
Conditions for course completion:	
Learning outcomes:	
Brief outline of the course:	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 59	
abs	n
25.42	74.58
Provides: PaedDr. Imrich Staško, doc. PhDr. Ivan Šulc, CSc.	
Date of last modification: 15.01.2014	
Approved: doc. RNDr. Stanislav Krajčí, PhD., doc. RNDr. Zdenko Hochmuth, CSc.	