COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Education	
Course code: KGE/Ge-BD109B/22	**Course title:** Basics of Information Technology for Geographers 2
Type and range of planned learning activities and teaching methods: **Form of instruction:** Seminar **Recommended study range:** **hours weekly:** 1 **hours per semester:** 13 **Teaching method:** on-site	
Credits: 2	**Working load:** 50 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisities:	
Requirements for passing the course: Elaboration of a separate semester paper in the range of 5-10 pages, the content of which are selected exported thematic maps created in the environment of the freely available Quantum GIS software. Final assessment: total percentage gain from the evaluation of the semester work (80%) and the presentation of the semester work (20%). Subject evaluation: A – 100%-93%, B – 92%-85%, C – 84%-77%, D – 76%-69%, E – 68%-60%, Fx – 59%-0%	
Learning outcomes of the course: After completing the subject, the student will acquire the following knowledge, skills and competences: - knows basic theoretical knowledge related to GIS, - has practical skills of working in the freely available Quantum GIS software environment.	
Course contents: 1. Geographic information system (GIS), geoinformatics 2. Quantum GIS 3. Coordinate systems 4. Georeferencing 5. Working with raster data 6. Working with vector data 7. Creating a new layer 8. Basic cartographic methods 9. Map composition: map content 10. Composition of the map: title, legend, scale, orientation to the cardinal directions 11. WMS 12. Exporting 13. Presentations of semester works	

Recommended or required literature:

HOFIERKA, J. KAŇUK, J., GALLAY, M. (2014). Geoinformatics. Košice: University of P. J. Šafárik in Košice, 192 p. In Slovak, available on the Internet: https://uge-share.science.upjs.sk/webshared/uge_web_files/studium/ucebnice_skripta/geoinformatika.pdf

VOJTEKOVÁ, J., ŽONCOVÁ, M. (2021). Geographic information systems for geographers. Creation of selected thematic maps. Nitra: University of Constantine the Philosopher in Nitra, 88 p. In Slovak, available online: www.kgrr.fpv.ukf.sk/images/publikacie/skripta_Vojtekova_Zoncova_2021_web.pdf

BOLTIŽIAR, M., VOJTEK, M. (2009). Geographic information systems for geographers II. Nitra: University of Constantine the Philosopher in Nitra, 140 p. In Slovak, available on the Internet: www.kgrr.fpv.ukf.sk/images/publications/Geographical%20information%20systems%20for%20geographers%20II.pdf

QUANTUM GIS USER GUIDE, VERSION 0.7 "JOSEPHINE". Available on the Internet: https://gis.fns.uniba.sk/vyuka/Gis/user_guide.pdf

PAPČO, P. (2011). Gully erosion in time – maps versus correlated sediments (case study). Geographical journal, 63, 3, p. 287-298. In Slovak, available on the Internet: https://www.sav.sk/journals/uploads/03101341GC-11-3-Papco.pdf

Language of instruction:
Slovak

Notes:

Course evaluation:
Assessed students in total: 16

A	B	C	D	E	FX
87.5	6.25	0.0	0.0	0.0	6.25

Name of lecturer(s): RNDr. Pavol Papčo, PhD.

Last modification: 28.08.2022

Supervisor(s):

Guarantor:
Administrátor Systému

People responsible for the delivery, development and quality of the study programme:
prof. ThDr. Rastislav Adamko, PhD., doc. Mgr. Marek Babic, PhD., doc. RNDr. Pavel Bella, PhD., prof. PaedDr. Mgr. art. Rastislav Biarinec, ArtD., prof. Irina Chelysheva, DrSc., prof. PaedDr. František Dlugoš, PhD., Mgr. Juraj Dvorský, PhD., prof. PhDr. Ingrid Emmerová, PhD., doc. Tatiana Korenkova, CSc., prof. PaedDr. Milan Ligoš, CSc., doc. Mgr. Eva Litavcová, PhD., doc. PaedDr. Peter Mačura, PhD., prof. PhDr. David Papajík, PhD., doc. Ing. Miroslav Saniga, CSc., prof. Nóra Séllei, PhD., DrSc., PhDr. ThLic. Martin Taraj, PhD., Prof. Ing. Peter Tomčík, PhD., prof. Dr. phil. fac. theol. Peter Volek, doc. Ing. Igor Černák, PhD.