

COURSE DESCRIPTION

University:	University of Prešov in Prešov		
Faculty:	Faculty of Humanities and Natural Sciences		
Code: 2GAG/EnGIS2G/15	Title: Geographical Information Systems 2		
Field of study: 4.1.35. Geography			
Study programme: Geography and Applied Geoinformatics			
Guarantee: prof. Ing. Jozef Vilček, PhD.		Lecturers: Mgr. Miloslav Michalko, PhD.	
Semester: Summer	Forms of teaching: Lectures, seminars		Number of credits: 7
	Recommended number of hours: 26		
	Per week: 0/2	Total per study: 0/26	
Prerequisites:			
Assessment: Graded credit			
Course assessment:			
Final assessment: Graded credit			
Objective: The aim of this course is to teach basic works associated with computer-assisted preparation of thematic maps in a GIS environment. The student will be able to work with digital cartographic information in a every step of its processing - from collecting, through processing to presentation and cartographic interpretation of geographic data. The student will be able to do a complete project in a GIS environment (using QGIS).			
Course content: GIS projects. Collecting data. Scanning and vectorisation. Importing and editing data. Databases. Print layouts. Printing map outputs. Presentation.			
Literature: HOFIERKA, J.: Geografické informačné systémy a diaľkový prieskum Zeme. Vysokoškolské učebné texty. Prešov, FHPV PU, 2003. PRAVDA, J., KUSENDOVÁ, D.: Počítačová tvorba tematických máp. Vysokoškolské učebné texty. Bratislava, PRIF UK, 2004. TUČEK, J.: Geografické informační systémy. Principy a praxe. Computer Press, Praha, 1998. LONGLEY, P. A., GOODCHILD, M. F., MAGUIRE, D. J., RHIND, D. W.: Geographic Information Systems and Science. John Wiley a Sons, 2001. NETELER, M., MITASOVA, H.: Open Source GIS: A GRASS GIS Approach. Second Edition. Boston: Kluwer Academic Publisher, 2004.			
Language the course is taught in: English		Signature of guarantee and date of last edition: April 2024	