

Study program		Study cycle		Undergraduate study program (first cycle)					
		Orientation		Regional and spatial planning					
SUBJECT									
Subject name		GEOLOGICAL STRUCTURE AND RELIEF IN REGIONAL AND SPATIAL PLANS							
Subject code		Semester		Subject status		ECTS credits	Contact hours		
RPP-404-2		VII		Mandatory		5	125		
Prerequisites									
Assigned professors and assistants		Subject Leader		Dr. sci. Mevlida Operta, full professor Dr. sci. Edin Hrelja, docent					
		Teaching Assistants		MA Ahmed Džaferagić, teaching assistant					
Subject objectives		Geological structure and relief with relief forms are the main factors underlying regional and spatial plans. The goal is to train students to explore the process of geological and geomorphological materials for the needs of regional and spatial planning, as well to present processed material plays in regional and spatial plans.							
SUBJECT CONTENT									
No.	Teaching units			Contact hours					
				L	P	S	C		
1.	Factors of geological environment relevant for preparation of regional and spatial plans			1	2	1	1		
2.	Geological research for the development of regional and spatial plans and spatial plan of special purpose			2	2	1	1		
3.	Geological mapping for the development of regional and spatial plans			3	3	2	2		
4.	Elaborations of geological research for regional and spatial plans			2	3	1	1		
5.	Characteristics of geological environment essential for urban planning and projecting			2	2	1	1		
6.	Engineering-geological categories of terrain according to construction eligibility			2	2	1	1		
7.	Seizmic regionalisation and microregionalisation			2	2	1	1		
8.	Test 1			2					
9.	Relief (Introductory lectures)			2	2	1	1		
10.	The role of slope processes in regional and spatial plans			2	2	1	1		
11.	Quantitative geomorphological analysis in regional and spatial plans			2	2	1	1		
12.	Engineering-geological mapping in regional and spatial plans			2	2	1	1		
13.	Geomorphological diversity assessment methodology			2	2	1	1		
14.	The influence of relief in the spatial organization of human activities			2	2	1	1		
15.	Complex relief valorization			2	2	1	1		
STUDENT WORKLOAD (HOURS)									
Contact hours		60	Practical work			Seminars	15	Exam study time	30
Literature – reading		5	Written papers			Other (state)	15	TOTAL	125
TEXTBOOKS AND STUDY MATERIALS					EVALUATION OF KNOWLEDGE AND CRITERIA				
MANDATORY: Operta, M.: Opća geologija, Prirodno-matematički fakultet Sarajevo, 2013. Marković, M.: Osnove primjenjene geomorfologije, Geoinstitut, Beograd, 1983. Đorđević, J.: Tipologija fizičko-geografskih faktora u prostornom planiranju, Beograd, 2004. Kicošev, S.- Dunčić, D.: Geografske osnove prostornog planiranja, Novi Sad, 1998. ADDITIONAL: Hrvatović, H.: Geološko kartiranje, Univerzitet u Tuzli, Tuzla, 2003. Bognar, A., 1992: Inžinjersko geomorfološko kartiranje, Acta Geographica Croatica 27., 173-185. Zorn, M., Komac, B., 2011: Applied Landslide Geomorphology – some Examples from Slovenia, Hrvatski geografski glasnik 73/2, 5-17.					PARAMETERS		Maximum Points	Minimum points	
					1.	Attendance	5	3	
					2.	Participation on lectures	5	2	
					3.	Midterm exam	40	22	
					4.	Seminar	10	6	
					5.	Final exam	40	22	
					T o t a l		100	55	
Notes:									

