

Study program		Study cycle		First study cycle						
		Orientation		Tourism and Environmental Protection						
SUBJECT										
Subject name		Methodology of geocology research								
Subject code		Semester	Subject status		ECTS credits	Contact hours				
GE-407-3		VII	mandatory		5	125				
Assigned professors and assistants	Subject Leader		Dr. Sc. Lejla Žunić, assistant professor							
	Teaching Assistants									
Subject objectives	<ul style="list-style-type: none"> - Knowledge of geography and geocology scientific methods - Understanding methodology concept in the field of geocology - Knowledge of fundamental and applicative research in the field of geocology - Applicative skills of using geocology methods - Knowledge of collecting data, their representation and interpretation 									
SUBJECT CONTENT										
#	Teaching units				Contact hours					
					L	P	S	C		
1.	Introduction: Scientific approach to geography and geocology				2	2		1		
2.	Fundamental research- concept				2	2	2	1		
3.	Scientific communication				2	2	2	1		
4.	Collecting data in geography and geocology- review				2	2	2	1		
5.	Physical-geographic measurements				2	3	3	1		
6.	Behavioral observations and archiving				2	2	3	1		
7.	Explicite reports: survey, interview, and tests				2	3	4	1		
8.	TEST 1				2			1		
9.	Experimental and non-experimental research design- models				2	3	4	1		
10.	Sampling				2	3	2	1		
11.	Statistical analysis of data				2	2	2	1		
12.	Methods of laboratory work: air, water, soil; plants and animals				2	2	2	1		
13.	Reliability and relevance				2	2	2	1		
14.	Informatic technologies				2	2	2	1		
15.	TEST 2				2			1		
STUDENT WORKLOAD (HOURS)										
Contact Hours (L+P)		60	Practical work			Seminars	30	Exam study time	10	
Literature – reading		15	Written papers			Consultations	10	TOTAL	125	
LITERATURE					EVALUATION OF KNOWLEDGE AND CRITERIA					
1. Montello, D.R., Sutton, P.C. (2013): "Scientific Research Methods in Geography and Environmental Studies", SAGE, Los Angeles	2. Ninković, M. (2014): "Istraživanje životne sredine primenom GIS tehnologija i njenih internet servisa". Sinteza, Međunarodna naučna konferencija Univerziteta Singidunum, Beograd	3. Pešić, V., Tomović, Lj. (2010): "Praktikum iz ekologije". Univerzitet Crne Gore, Podgorica	4. Spahić, M. (1999): "Osnove geoekologije-geografske osnove životne sredine". Harfograf, Tuzla	5. Zelenika, R. (2000): "Metodologija i tehnologija izrade znanstvenog i stručnog djela". Ekonomski fakultet u Rijeci, Rijeka	6. Wu, J. (2013): "Landscape Ecology". Arizona State University, USA	7. Ashley, P., Boyd, W.E. (2006): "Quantitative and qualitative approaches to research in environmental management". Australasian Journal of Environmental Management, vol.		PARAMETERS	Maximum Points	Minimum points
							1.	Attendance	5	3
							2.	Active participation	5	3
							3.	Seminar	10	5
							4.	Final exam	80	44
	Total	100	55							
<p>Remarks: According to The Law on Higher Education at University of Sarajevo- Article 64. (7), students that succesfully passed both test and fulfilled their obligations, have all rights to receive a final grade without additional knowledge testing.</p> <p>If both test is negative assessment, students are required to take integral test. Criteria for integral test is equal as for the two tests (T1&T2)</p> <p>- Student engagement: 1-3 (total: 20).</p>										

13, no. 2, Australia and New Zeland

8. Crnogorac, Č., Spahić, M. (2012): "Osnovi geoekologije". Artprint, Banja Luka
9. Mihajlov, A.N. (2009): "Osnove analitičkih instrumenata u oblasti životne sredine". Ministarstvo za nauku i tehnološki razvoj Srbije, Beograd