

Study program		Study cycle		First study cycle				
		Orientation		Geography in education				
SUBJECT								
Subject name		Topography						
Subject code		Semester	Subject status		ECTS credits	Contact hours		
FG-107.2-1		I	optional		3	75		
Assigned professors and assistants	Subject Leader		Dr. Sc. Lejla Žunić, assistant professor					
	Teaching Assistants							
Subject objectives	<ul style="list-style-type: none"> To achieve knowledge of topographic elements and the topograph map' content To get skill of topographic map interpretation and its use To achieve knowledge of topographic measurements and the map metrics To get knowledge of topographic coordinate systems To understand orientation, methods of measurement, collecting data and mapping 							
SUBJECT CONTENT								
#	Teaching units			Contact hours				
				L	P	S	C	
1.	Topography- definition, study object and learning objectives			2	1			
2.	Topographic elements; Relief and its characteristics			2	1			
3.	Topographic objects and orientation			2	1	1	1	
4.	Content of topographic maps			2	1	1		
5.	Map scale and cartographic projection			2	1	1	1	
6.	Geodetic markers and coordinate system at map			2	1	1	1	
7.	TEST 1			2				
8.	Mapping and understanding relief on the map			2	1	1	1	
9.	Cartographic signatures; Reading topographic objects at map			2	1	1	1	
10.	Geographic names of objects- toponymy			2	1			
11.	Topographic map measurement: azimuth, slope; length, square area			2	1	1	1	
12.	Map metrics; Topographic profiles			2	2	1	2	
13.	Field measurements, collecting data and mapping			2	2	1	1	
14.	Aerophotographic and satellite images- interpretation			2	1	1	1	
15.	TEST 2			2				
STUDENT WORKLOAD (HOURS)								
Contact Hours (L+P)		45	Practical work		Seminars	10	Exam study time	10
Literature – reading			Written papers		Consultations	10	TOTAL	75
LITERATURE				EVALUATION OF KNOWLEDGE AND CRITERIA				
1. Izmirlić, A. (1999): Vojna topografija. Federalno ministarstvo odbrane, Sarajevo 2. Pavišić, N. (1976): "Osnovi kartografije". Obod, Cetinje 3. Topographic Map Symbols (2016). USGG, Department of the Interior, Geological Survey, USA 4. Topographic Maps and Contours (2016). Academic Resource Centre, The ARC, USA 5. Zbirka kartografskih znakova mjerila 1:500 do 1:25.000 (2011), Državna geodetska uprava, Zagreb				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 successfully 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 (final) test is equal as for the two tests (Test 1 & Test 2)</p> <p>-Student engagement: 1-3 (total: 20)</p>								