

Teaching curriculum for first cycle studies			
1.	Course	Topography	
2.	Course Code	ФБИИ09 / FBPN09	
3.	Study program	Criminal studies	
4.	Organizer of study programme (university unit, that is, institute, department, section)	Faculty of security- Skopje	
5.	Degree (cycle 1, 2, and 3)	First	
6.	Academic Year/semester	Winter semester VII (seven)	
7.	Number of ECTS credits	6	
8.	Lecturer	prof. Jove Dimitrija Talevski, PhD	
9.	Prerequisites for enrolling on the course	None	
10.	Objectives (competencies):	Knowledge of the elementary topographical science formulations in relation to the elementary ways of orientation in the geographical space, cart metrics and enablement for practical implementation of the knowledge in everyday field activities.	
11.	Content of the teaching curriculum	Defining topography and its implementation; Definition and types of terrains; Definition of relieve and types of relieve; Definition of map, types of maps and basic elements of the map, ration, topographical signs and generalization of the map contents; Cartographical projections; Geographical and rectangular coordinative network on the maps and determining the geographical and rectangular coordinates; Presenting the terrain on the topographical maps, contour lines, equidistance, interval, vegetation presentation, hydrograph, communication, the settlements on the topographical maps; Cartography, determining coordinates of a certain point, distance between points- rectilinear and curvilinear; Horizontal angles of the topographical map, definition of azimuth and types of azimuth; hand compass; Vertical angles of the topographical map; Angel on inclement of the terrain and point angle; Map orientation; Movement through an unknown terrain ; GPS General Positioning System, orientation with GPS (GeoExplorer GPS); Working with a GPS platform	
12.	Teaching methods:	Oral presentation, discussions, interactive teaching	
13.	Total number of hours of workload	150	
14.	Workload time allocated	2+3	
15.	Forms of teaching activities	15.1	Lectures - theory 40 hours

		15.2	Practice (laboratory, reviewing exercises) seminar, team work	25 hours
16.	Other forms of activities	16.1	Project assignment	25 hours
		16.2	Individual assignments	60 hours
17.	Grading system			
	17.1.	Tests		80 points
	17.2.	Seminar paper/ project (presentation: oral and written)		10 бодови
	17.3.	Activity and participation		10 бодови
18	Assessment criterion (grades)		50 points	5(five) (F)
			From 51 to 60 points	6(six) (E)
			From 61 to 70 points	7(seven) (D)
			From 71 to 80 points	8(eight) (C)
			From 81 to 90 points	9(nine) (B)
			From 91 to 100 points	10(ten) (A)

19.	Prerequisites for a signature approving regular examination opportunity		/	
20.	Language of instruction		Macedonian	
21	Method of monitoring the quality of instruction		Internal evaluation, surveys and interviews with students	
22.	Literature			
	22.1.	Mandatory literature		
		No.	Authors	Title
		1.	Талевски Д. Јове	Воена топографија
		2.	Делејни Џ. Ван Нил, К.	Географски информациски систем
		22.2.	Additional literature	
		No.	Authors	Title
		1.	Талевски, Д. Ј., Митрев, К.	Прирачник за графичко претставување на полициски планови и други елаборати
		2.	Ходер, Р.	Развојна географија
		3.		