Study program				Study cycle				First study cycle						
				Orientation Geography in edu						ucation				
SUBJECT														
				tical Cartography										
Subject code Semester			ester	Subject status ECTS of mandatory 5					redits Contact hours 125			urs		
FG-107.1-1 I Assigned Subject Leade			Loodo	·								12	5	
Assigned Subject Lead professors and assistants Teaching Assist														
 Subject objectives To achieve knowledge of the Earth shape and its representing on 2D map To understand coordinate systems and their practical application To get the knowledge of mathematical elements of map: scale, cartographic projections, geodetic markers and map borders To achieve the skills of methodology of cartographic projections To achieve the skills of mapping and use mathematical fundament of maps the graphical construction of map projection construction of map scale calculating geographical coordinates (φ, x; λ, y) 										aphic				
SUBJECT CONTENT														
# Teaching units										t hours SC				
2. Ge 3. Ma 4. Ge 5. The 6. Ca 7. TE 8. Ca 9. Pla gno 10. Pla cha 11. Cyl Me cha 12. Pse 13. Co	ction: definitions, etc. es, elements of map actical application coordinates; triangulation sferoid/ elipsoid, WGS84 astics; ellipse of distortion haracteristics rtographic, stereographic, etion tive: Lambert', Postel'; erspectivr: Lambert', Gall', n; Gaus-Krüger, UTM, teristics and construction construction cteristics and construction			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	P 2 2 2 2 2 2 2 2 2 4 2 4 2 2 4 2 2 2 2	2 1 1 1 1 1 1 1 3 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1						
STUDENT WORKLOAD (HOURS)														
	Contact Hours (L+P)			cal work		Seminars				Exam study tin		e		
Literature –	Literature – reading 15 Writte		Writte	n papers		Consultations			15	TOTAL	L 125			
LITERATURE							EVALUATION OF KNOWLEDGE AND CRITERIA							
1. Campbell, J.E., Shin, M. (2012): "Geographic Information System Basics". University of Carolina,							PARAMETERS			Maximum Points			Minimum points	
Los Angeles 2. Elektronska zbirka: GIS; USA University Host;							 Attendance Active participation 			5			3	
NASA modeli i prikazi										5			3	
3. Gašparović, R. (1969): "Matematička geografija". Geografsko društvo SR BiH, Sarajevo, 67-124							Seminar Final axom			10		5		
4. Kennedy, M. (2000): "Understanding Map							4. Final exam Total			80 100			44 55	
	ons". Envi New York Cartograph	Remarks: According to The Law on Higher Education at University of Sarajevo- Article 64. (7), students that												

Collection, Maps tutorial: The Elements of a Map. Ball State University Libraries, Indiana, USA	succesfully passed both test and fullfilled their obligations, have all rights to receive a final grade							
6. Pavišić, N. (1976): "Osnovi kartografije", Obod,	without additional knowledge testing.							
Cetinje 7. Snyder, J.P. (1987): "Map Projections- A Working	If both test is negative assessment, students are required to take integral test. Criteria for integral test is							
Manual". The U.S. Department of The Interior (DOI), Washington	equal as for the two tests (T1&T2)							
 Šobić, D. (1955): "Matematička kartografija". Geografski institut Jugoslovenske narodne armije, Beograd 	- Student engagement: 1-3 (total: 20).							
 Toskić, A. "Kartografske projekcije". Skripta predavanja, pdf. Odsjek za geografiju Prirodno- matematičkog fakulteta Univerziteta u Zagrebu 								