Study program								First study cycle						
				Orientation Regional and Spatial Planning										
SUBJECT														
-				tical Cartography										
Subject code Semester FG-107.1-1 I			ester	Subject status ECTS of mandatory 5					redits Contact hours 125			ours		
Assigned Subject Leade			· ·											
professors and assistants Teaching Assis				ants										
<ul> <li>Subject objectives</li> <li>To achieve knowledge of the Earth shape and its representing on 2D map</li> <li>To understand coordinate systems and their practical application</li> <li>To get the knowledge of mathematical elements of map: scale, cartograph projections, geodetic markers and map borders</li> <li>To achieve the skills of methodology of cartographic projections</li> <li>To achieve the skills of mapping and use mathematical fundament of maps         <ul> <li>the graphical construction of map projection</li> <li>construction of map scale</li> <li>calculating geographical coordinates (φ, x; λ, y)</li> </ul> </li> </ul>									aphic					
SUBJECT CONTENT														
# Teaching units										t hours				
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	Geographic Map scale- Geodetic m The Earth s Cartograph TEST 1 Cartograph Planar azi gnomonic ( Planar az characteris Cylindrical Merkator', characteris Pseudocyli Conic proje	c map- def character arkers: re shape and ic mappin ic projecti muthal pr central); c zimuthal tics and co projection character tics and its ndrical pr ections: Pt	ctive: Lambert', Postel'; erspectivr: Lambert', Gall', on; Gaus-Krüger, UTM,			L 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 2 2 2 2 2	2 1 1 1 1 1 1 3 1 1 1		C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	STUDENT WORKLOAD (HOURS)													
			Practi	cal work	Semina		eminars			Exam study tin				
Literature – reading 15 Writt			Writte	en papers		Consultations			15	TOTAL	AL 12		12	5
LITERATURE							EVALUATION OF KNOWLEDGE AND CRITERIA							
1. Campbell, J.E., Shin, M. (2012): "Geographic Information System Basics". University of Carolina, Los Angeles							PARAMETERS			Maximum Points			Minimum points	
2. Elektr	ronska zbirl	lost.	1. 2.				5			3				
NASA modeli i prikazi										5 10		3 5		
<ol> <li>Gašparović, R. (1969): "Matematička geografija". Geografsko društvo SR BiH, Sarajevo, 67-124</li> </ol>							Seminar Final exam			10 80		5 44		
<ol> <li>Kennedy, M. (2000): "Understanding Map Projections". Environmental Systems Research</li> </ol>							4. Final exam Total			100			55	
Instit	ections". Er ute, New Yo & Cartogra	rk		<b>Remarks:</b> 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)							
<ol> <li>Šobić, D. (1955): "Matematička kartografija". Geografski institut Jugoslovenske narodne armije, Beograd</li> </ol>	- Student engagement: 1-3 (total: 20).							
<ol> <li>Toskić, A. "Kartografske projekcije". Skripta predavanja, pdf. Odsjek za geografiju Prirodno- matematičkog fakulteta Univerziteta u Zagrebu</li> </ol>								