

Study program: GEOGRAPHY			
Type and level of studies: Bachelor studies			
Course Name: CARTOGRAPHY			
Lecturer: Aleksandar Valjarević			
Status: Compulsory subject			
ECTS: 8			
Attendance Prerequisites:			
Course aims Cartography is a science that studies the methodology of modelling the transposition of spatio-temporal content from spherical positions into a spatial-nomogramic dimensional model - on a spherical surface (globe) and a mathematical level (plan, map) to research and learn about the state and change of space: objects, phenomena and processes.			
Course Outcome			
Course Content <i>Theoretical part</i> Subject of study and methods of cartography, Division of cartography, Cartography and its relationship with other sciences, Position and role of the cartographic approach within the system of sciences, Role of a model in the cartographic method, Concept, properties and classification of geographical maps, Elements of a map, Cartographic symbols, Representation of the Earth's surface, Conditional representation of spheroids on a plane, Coordinate systems and coordinate networks, Mathematical elements of the map, Shape and size of the Earth, Map size and proportions, Geodetic basis of mapping, Application of aerial and satellite images in cartography, Satellite cartography, Global Positioning Systems (GPS), Cartographic projections, Indicators of deformations, Division of maps into sheets and their marking, Map frames, Presenting geographical content on maps, Digital cartography, Cartographic projections, Slope angles, Relief profiles. <i>Practical part</i> Cartographic and topographic signs, Scale and scales, Coordinate systems and coordinate networks.			
Literature Љешевић М., Живковић Д.(2001): <i>Картографија</i> , Географски факултет Универзитета у Београду, Београд Петерца, М. и група аутора(1974): <i>Картографија</i> , Војногеографски институт, Београд Миловановић, В.(1986): <i>Општа картографија</i> , Грађевински факултет, Београд			
Number of active classes	Theoretical classes: 3	Practical classes: 3	
Teaching methods Lectures, exercises, consultations, term test(s).			
Assessment (maximum 100 points)			
Course Assignments	Points	Final exam	Points
Activity during lectures	10	Written exam	
Practical classes		Oral exam	50
Term tests	40	
term paper(s)			