Study program				Study cycle First study cy				udy cycle	e								
Study program				Orientation Tourism and Envir					ronmental Protection								
SUBJECT																	
Su	ubject name		Geoinfor	matic	matics												
Subject code			Semester	ester Subject status ECTS					credits Contact hours								
G	IS-202-3	S-202-3 III Mandatory					5	5 125									
P	Prerequisites	6			1												
Assi	igned	Su	ibject leade	r	Dr. So	c. Nusre	et Dreško	vić, Full	Professor								
assi	stants	Teac	hing Assista	ants	MA A	mina Si	vac, Sen	ior Teac	hing Assis	tant							
Sul	bject ctives	 The main objectives of the subject are: Exploring and acquiring knowledge of students about the collection, preparation and geoinformation modeling of geographic data; Exploring and acquiring knowledge of students about geoinformation system, its structure and components; Exploring and acquiring knowledge of students about the hardware of a computer system; Exploring and acquiring knowledge of students about the characteristics and functions of the system and application software; Learning and acquiring knowledge of students about geodatabase, their structure, organization, and their application in modeling; Understanding and gaining knowledge of students about the organization geoinformation graphical data and concepts of their application in modeling; Exploring and acquiring knowledge of students about the spatial models geoinformation management facilities for tourism and environmental protection; 															
- Exploring and acquiring knowledge of students about the most famous digital models of the Earth and its different regions and their potential application in regional and spatial planning												nning					
					SUE	BJECT (CONTEN	IT		1	<u> </u>						
#				Теа	ching (units											
1. 2.	Geoinformatics – term, definition, objectives, tasks and object of study. Geoinformatically data - concept, types, collection and organization.							study. ion. f	2	2		0					
3.	computer system and its components. This ory of development of computers. Types of computers. The architecture of a computer system. Computer system architecture. Hardware - concept, structure and								2	2	1	1					
4.	functioning of the computer. BIOS system. Hardware Components. Internal hardware components. The output-input 2								2	1	1						
5.	devices.Optional external devices.System software. Operating system - concept, structure and 2								2	1	1						
6.	implementation. OS MS-DOS - the main functions of the user interface. Windows OS - 2								2	2	1						
7.	First test																
8.	Applicatio	Application software - term, definition and importance. Division of								2	2	2	1				
9.	application software. MS Office. Corel Draw.Geoinformatically software - term, definition and importance. Types of2Geoinformatics software. GIS - basic concepts, definitions and																
10.	Geoinform models of	assification. ecoinformatic organization geodatabases and their structure. Basic podels of operation with geodatabases							asic	2	2	2	1				
11.	Graphic Geoinformatics data - term, definition and importance. Types of graphical GIS data. Sources graphical GIS data. Raster graphics data - term types and sources of raster data								3	4	2	1					
12.	Vector gra	phics	data - term lata. Source	, defir es vec	nition ar	nd impo a.	rtance. S	structure	and	3	4	2	2 1				
13.	Basic moo geoinform	Basic modules of geoinformatics software. Preparing geographic data for 2 2 1 geoinformatic processing.							1	1							
14. 15.	geomornatic processing.Geoprocessing. Geovisualizations. Thematic data sets2The world's computer networks. Internet sources of GIS data.1The best-known Internet applications of digital models of the earth and continents.							2 1	2 1	1	1						

STUDENT WORKLOAD (HOURS)											
Contact Hours (L+P)	ct Hours (L+P) 60 Practical work 1			s	eminars	15	Exam study time		15		
Literature – reading	15	Written papers		С	other (state)	10	TOTAL 12		125		
LIT	URE	EVALUATION OF KNOWLEDGE AND CRITERIA									
BASIC LITERATURE:			PARAMETE	Maximum Points	Ν	1inimum points					
. 1. Đug S., Drešković, N	ak, S. (2015):	1.	Attendance		5		3				
. Daljinska istraživanja – principi i primjena u . prirodnim naukama. University textbook . University of Sarajava, Sarajava					Participation o lectures	5		3			
. 2. Burrough, P.A., McDe	R.A. (2006):	3.	First test		40		22				
Principles of Geographical Information Systems – 2 nd Edition.Oxford					Seminar		10		6		
					Final exam	40		21			
. 3. Kvarternik, R.(1988):	u operativne sisteme		Total		100		55				
Informator. Zagreb,. 8. Rožić, N. (1996): Geo Manuscript. Zagreb.	natika III.										
ADDITIONAL LITERAT 1. Kurtović – Numić,S. (2. A Guide to Computer 3. OS Windows Guide (4. Microsoft Office Guid 5. Corel Draw Guide (20 6. ESRI Guide (2015)	Informatika, Fojnica ms (2015) 5)										