

Study program		Study cycle		Undergraduate study program (first cycle)					
		Orientation		Geography in Education					
SUBJECT									
Subject name		INTRODUCTION TO SCIENTIFIC RESEARCH							
Subject code		Semester		Subject status		ECTS credits	Contact hours		
TG-402-1		VIII		mandatory		5	125		
Prerequisites									
Assigned professors and assistants		Subject Leader		Dr. sci. Mevlida Operta, full professor					
		Teaching Assistants		Dr. sci. Amra Banda, senior teaching assistant					
Course objectives		Understanding the essence of scientific papers. Scientific methods and methodology of scientific work.							
SUBJECT CONTENT									
No.	Teaching units	Contact hours							
		L	P	S	C				
1.	Science and scientific research (definition, object and types)	2	2	2	2				
2.	Methodology area and function, relation between methodology and theory	2	2	1	1				
3.	Basic research methods and method features	2	2	2	2				
4.	Identification and determination of research problem	2	2	1	1				
5.	Selection and application of research methods in the system of geographical sciences	2	2	1	1				
6.	Collecting scientific materials	2	2						
7.	Methods and research methodology of geographical space. Selection of scientific methods in problem solving	2	2	1	1				
8.	First test	1							
9.	Methods of analysis and synthesis, experiment, statistical method, classification and remote sensing methods in research of geospace	3	3	1	1				
10.	Methods of assessment and evaluation of the geographical and natural environment	1	2	1	1				
11.	Processing and analysis of scientific data	2	2	1	1				
12.	Articles categorization	3	3	1	1				
13.	Hypotheses, objectives, tasks and scientific debate	2	2	1	1				
14.	Scientific elaboration of a specified geographical area	2	2	1	1				
15.	Practical work on the processing and analysis of data	2	2	1	1				
STUDENT WORKLOAD (HOURS)									
Contact Hours		60	Practical work			Seminars	15	Exam study time	30
Literature – reading		5	Written papers			Other (state)	15	TOTAL	125
TEXTBOOKS AND STUDY MATERIALS					EVALUATION OF KNOWLEDGE AND CRITERIA				
MANDATORY Vrišer, I.(1997): Metodologija ekonomske geografije, Filozofska fakulteta Univerza v Ljubljani, Odelek za geografijo, Ljubljana. Đurđev, S. B. (2000): Metodologija naučnog rada, Univerzitet u Novom Sadu, Novi Sad. Filipović, M. (2004): Uvod u metodologiju naučnog rada, Svjetlost, Sarajevo. Spahić, M. (1999): Osnove geoekologije (geografske osnovne životne sredine), Tuzla. ADDITIONAL Zelenika, R. (1998): Metodologija i tehnologija izrade znanstvenog i stručnog djela, Rijeka. Šamić, M.(1990): Kako nastaje naučno djelo, Sarajevo.						PARAMETERS		Maximum Points	Minimum points
					1.	Attendance	10	6	
					2.	Participation on lectures	10	5	
					3.	Midterm exam	40	22	
					4.	Final exam	40	22	
					T o t a l		100	55	
Notes:									