

Study program		Study cycle	I study cycle				
		Orientation	Geography in Education				
<b>SUBJECT</b>							
Subject name		<b>Statistics</b>					
Subject code	Semester	Subject status		ECTS credits	Contact hours		
STAT-114/I	I	Optional		2	50		
Prerequisites							
Assigned professors and assistants	Subject Leader		Dr. Sc. Fikret Čunjalo, associate professor				
	Teaching Assistants		Mr. Daniela Zubović, senior associate				
Subject objectives		The aim of the course is to introduce students with the basics of statistical methods.					
<b>SUBJECT CONTENT</b>							
#	Teaching units			Contact hours			
				L	P	S	C
1	The method of collecting and grouping data. Statistical series			1	1		
2	Frequency. The relative frequency. Cumulants			1	1		
3	Graphical representation of statistical series			1	1	1	1
4	Complete average value			1	1		
5	The rank of the average values			1	1	1	1
6	Measures of dispersion. Measures of asymmetry			1	1		
7	First test			1	1		
8	Definition of probability. A random variable. Models of probability distribution			1	1	1	1
9	Method patterns. Sampling distribution			1	1		
10	Estimation of parameters			1	1	1	1
11	Testing hypotheses about the arithmetic mean			1	1		
12	$\chi^2$ -test			1	1		
13	Linear Regression Model			1	1		
14	Individual indices. Aggregate indices.			1	1	1	1
15	The model of a linear trend			1	1		
<b>STUDENT WORKLOAD (HOURS)</b>							
Contact Hours	30	Practical work		Seminars	5	Exam study time	10
Literature – reading		Written papers		Consultations	5	TOTAL	50
<b>LITERATURE</b>				<b>EVALUATION OF KNOWLEDGE AND CRITERIA</b>			
1. Šošić, I.: Primijenjena statistika, Školska knjiga, Zagreb, 2004 2. Petz, B.: Osnovne statističke metode za nematematičare, Zagreb, 1997					PARAMETERS	Maximum Points	Minimum points
				1.	Attendance	5	3
				2.	Participation on lectures	5	3
				3.	Midterm exams	30	16
				4.	Seminar	10	6
				5.	Students project		
				6.	Final exam	50	27
				Total		100	55