21.1						Study cycle			First study cycle							
Study program					Orientation					atial Pla	tial Planning					
						;	SUBJI	ECT	•							
Su	ıbject nam	е	Int	roduct	ion to	Mathen	natics	;								
Subject code Semester			ester	Subject status ECTS					ECTS	credits Conta			act hours			
M-001 I					optional					2		50				
Prerequisites																
Assigned Subject Leade												or				
assistants Teaching Assista					ants Mr. Daniela Zubović, senior associate											
Subject objectives The aim of the course is to introduce								e students to the fundamentals of statistical methods								
						SUBJ	ECT C	ON	TENT							
# Teaching units								Contact hours								
											L	Р	S	С		
1. 2.	· ·											1	1	1		
	<ol> <li>Percentage</li> <li>Rectangular Cartesian coordinate system in the plane and space</li> </ol>											'	1			
4.	4. The polar system in the plane. Cylindrical and spherical systems in space								space	1	1					
	5. Elementary functions; Systems of linear equations									1	1		1			
6. 7.	<ul><li>6. Gauss method for solving the system of linear equations</li><li>7. Test I</li></ul>										1	2	1			
8.										1	1		1			
9.	Determinants. Elementary transformations of matrices									1	1	1				
10.										1	1		1			
11.									er's Rule			1 1	1 1	1		
13.	<ul><li>Matrix equation</li><li>Solving systems of linear equations by using an expension</li></ul>							eler	elementary					1	1	
	transformation matrix															
14.	· ·										1	2				
15. Application of methods of the least squares.												1				
					STU	IDENT W	/ORKI	LOA	D (HOURS)							
Contact Hours (L+P) 30 Practice				Pract	ctical work			Seminars			5	Exam study tin		ne 10		
Literature – reading Wr			Writte	tten papers			Other (state)			5	TOTAL			50		
LITERATURE								EVALUATION OF KNOWLEDGE AND CRITERIA								
<ul> <li>Lang, S.: Introduction to linear algebra, Springer,1986.</li> <li>Ljubović, Ć.: Matematika, Sarajevo, 1997.</li> </ul>							PARAMETERS			Maximum Points		Minimum points				
							1. Attendance					5		3		
							2.	Participation on lectures			5		3			
								3.	. Midterm exams			30		16		
								4.				10		6		
								5.	5. Students project							
								6. Final exam			50		27			
								Total				100		55		
<u> </u>																