

Subject code: M-001Subject name: Introduction in matematics			
Year: I	Semester: I	ECTS credits: 2	
	Contact hours: 3	80	
	<i>Lectures: 15 Exercises: 15</i>		
S Teachers and a belongs	Teachers and associates with expertise in the field to which the subject belongs		
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Introducing	g students to ele	ementary calculus	
 2. elementar 3. Sets of nu 4. Proportion 5. Coordinate Spherical) 6. Elementar 7. Solving sy 8. Determina 9. Solving sy 10. Matrices 	 6. Elementary functions. 7. Solving systems of linear equations. Gauss method. 8. Determinants. 9. Solving systems of linear equations. Kramer's the rule. 10. Matrices and operations with matrices. 		
	Year: ISTeachers and a belongsJ/Introducing1. Introduction2. elementar3. Sets of nu4. Proportion5. Coordinate5. Coordinate5. Coordinate5. Coordinate7. Solving sy8. Determina9. Solving sy10. Matrices11. Elementa	Year: I Semester: I Contact hours: 3 Lectures: 15 Lectures: 15 Exercises: 15 S Teachers and associates with expertise belongs I Introducing students to electron I Introduction. I Introduction. I elementary calculus. S Sets of numbers and their providents I Proportions. S Coordinate systems (Cartesian Spherical) I Elementary functions. Spherical) Elementary functions. Solving systems of linear equides Spherical systems of linear equides Solving systems of linear equides Spherical systems of linear equides	



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	13. System of linear equations as a matrix equation.14. Method of least squares.15. Application of the method of least squares to solvingSystems of linear equations.			
	Knowledge: The student acquires knowledge from elementary calculus			
Learning outcomes:	Skills: understanding of mathematical concepts			
	- Competencies: Applications of mathematics in geography.			
Teaching methods:	Multimedia presentation. Mathematical software			
Knowledge testing methods with grading structure ¹ :	Attendar Participo Partial o Seminar <u>Final exc</u> TOTAL Assessm Grade 10 9 8 7 8 7	ation on lectures exam paper im	Points 5 40 10 40 100 Points scale 95 - 100 85 - 94 75 - 84 66 - 74 55 - 64	

¹ The structure of points and point criteria for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught in accordance with Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton



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Form SP2

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Literature ² :	Mandatory: Recommended:

² The Senate of the higher education institution as an institution or a council of the organizational unit of the higher education institution as a public institution determines mandatory and recommended textbooks and manuals, as well as other recommended literature on the basis of which exams are prepared by a special act which is required to be published on its website before the beginning of the academic year in accordance with Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton.