Study program				Level of studies			Third cycle							
Study program			*	Title of the study program Science and mathematics educ										
COURSE														
Course title Selected chapters of geometry														
Course ID Ser			emeste	Course status ECTS Contac					t hours					
			r	·	credits									
PM.	AT 60	$\begin{array}{c c c c c c c c c c c c c c c c c c c $						0						
Lect	114046	Lecturer in charge												
Lecturers		Other lecturers												
Carr				-										
aims	rse													
CONTENT														
CONTENT							Contact hours							
#		Teaching units							L		E/S	С		
	Finite	e structures with incidence axioms; Mappings wich keep							30		30			
	incidence; Incidence matrixes: Geometry of finite vector spaces; Projective and affine													
	planes; Combinatorics of the finite planes; Projectivity; Choline							n groups; Central						
	cholineations; Construction of the finite planes; Algebraic repre-							tations; About non-						
	euclide geometries;													
	The n	on-eu	clid theor	y of parallel lines, lines ar	the sp	pace	e of Lobachevsky.							
	Eleme	entary	geometry	on the surfaces of lobac	ce; Ba	asıc	Tasks axiomatics,							
	completeness of Hilbert's aview system. Analytical methods							basics of geometry:						
	The n	nain e	austions of	of the metric geometry of	nalv	tical geometry in								
	plane of Lobachevsky: Metric form line of Lobachevsky.													
	Poenkare's model of hyperbolic geometry: Introduction: Inversion: Description													
	Poenkare model; Axioms of incidences and axioms of the order in Ponekare's model;													
Axiome matches; Axioms of continuity and axioms of parallelity;														
LITERATURE							ASSESSMENT OF LEARNING							
[1]	1] M.: Pregled istorije i filozofije matematike, Zavod za							Assessment method	Points	Th	reshold	d		
[2]	udžbenike i nastavna sredstva, Beograd 2002.						1.	Partial exams	25			15		
[2]	Prva	iov, N nović	$M \cdot Osr$	sa geometrija, Nauka , Moskva 1978. Ispovi geometrije "Građevinska knjiga"			2.	Seminar papers	25			10		
[2]	Beog	grad 1987.				, , <u>  ,</u>	3	Final exam	50			30		
[4]	Kart	eszi, Introduction to finite geometries, North-Holland,				d, 占	4.	Total	100 55					
	1976.							TOTAL	100			55		
[5] P. Dembowski, Finite geometries, SpringerVerlag, 1997.														