D	Level	Fi	rst cycle			
Program	Name of the p		l study progra	ms		
			URSE			
Course title			Analytic Ge	cometry		
Course code	Semester	Course status		ECTS	Contact (L+AE+LE)	hours
PMAT 160 Lecturer	II	Mandatory cours	se	6	2+2+0	
Course Goals	different other well as econor using equation goal of the co	mathematical dis my. Many process s, that can be inter	ciplines, other les can be mo rpreted geome	natural science odelled using v etrically, using a	plines that are very ces, all technical sci vectors or can be o analytic geometry. ' juality knowledge	iences, as described The main
Learning Outcomes	After completi skills: - understand - understand of curves a - understand - be able to	ang this course, stu d and be able to us d the concept of su and surfaces in the d basic concepts of o apply achieved disciplines in mathe	e different tec traight line and space; f geometrical t knowledge te	hniques in vec d plain in the s ransforms in tl o solve partic her sciences.	space, as well as the	e concept
- Definition of t	he wester and its	basic properties.	CONTLIN			
		basic properties.				
- nort + trong i		1				
	dent and indepe					
	coplanar vectors.					
		of vectors, their pr	operties and a	pplications.		
- Concept of line	e and surface equ	uation.				
- Equations of a	plane and a line	in space.				
- Correlation bet	tween two lines,	two planes, and pl	ane and line ir	1 space.		
- Second-order s		1 7 1		1		
	curve identificati	on				
	d affine transfor					
			RATURE			
[1] S. Kuropa Um	d u linearnu ala	ebru, Školska knjig		75		
		latematički odjel P				
	0	i zadataka iz više m	0		4 1006	
		iz matematike, Sve		0	*, 1770.	
					actrice se osponer	toorijo
			zauataka iz a	manucke geom	netrije sa osnovam	ia iconje,
	Sarajevu, Sarajevo		la cocret "		a Hairmeitet	Sami
		a algebra i analitic	жа geometrija	i sa primjenan	na, Univerzitet u	sarajevu,
Sarajevo, 2017.						
		r Algebra and Mat				
[8] B. Mesihović	, Š. Arslanagić	: Zbirka riješeni	h zadataka i	problema iz	matematike sa o	osnovma
		ost, Sarajevo, 198				
		DENT WORKLO		n a semester)		
Lectures	30 Exercises	30	Individua) Total	150
	GRADING			REI	MARKS	
				INE:		

Criterion	Maximum points	Minimum points
Midterm exams		
Final exam		
Total	100	55