Program	Level		First cy	cycle					
0	Name of the	e program	Mather	natics Educ	cation, Mat	nem	atics and Information	ics Education	
Course title			Mothed	KSE a of Toach	ing Matha	mat	ico I		
Course code	Semester	Course	status	s of Teach	ECTS	emat	$\frac{108 \text{ I}}{\text{Contact hours (I - I)}}$	-AE+IE)	
EDIJ 370	VI	Manda	tory		6		3+2+	0	
Lecturer	V I	Manda	lory		0		5121	0	
	- Learning the principles, methods and forms of mathematics teaching.								
Course Goals	 Deepening of the acquired knowledge and activities with the goal of improving its clari and durability through the methods of teaching mathematics. Clarity of terms: axiom, definition, theorem, proof, premise, claim, necessary ar sufficient condition. Learning how to organize the lessons, evaluate and assess the students' works. Learning the methods of teaching algebra and geometry 								
Learning Outcomes	- Training and exp	g students, periences (atics	pre-service r on pupils, u	nathematics sing the a	s teachers, advantages	to the of	ransfer knowledge modern methods	, skills, habits of teaching	
	maurem		COURSE C	ONTENT	1				
 Goals and tasks of Bloom taxonomy. Principles of mathactivity. Principles of: syste Principles of: histo Methods of teach conversation meth Problem and heuri Project teaching ar Differentiated instreasoning). Forms of mathem groups. Individual Planning and prepare The teacher. Teaching means ar 	mathematics Learning outcomenatics teach ematicity and goricity and mo- ning mathema od (dialogic m stic methods. and programme truction. Exam- natics teaching and individua aration of a lea- and tools.	teaching. omes. ing. Princi gradualness dernity; eco utics. Meth hethod). d teaching. nple of di ; Frontal f lized work. sson.	ples of: indiv ; visibility and onomy and ra ods of lectu Work with t ifferentiated form of teach	vidualization d abstraction utionalization ures, presen ext and oth instruction hing. Work	n; scientific on; difficult on; durabilit ntation, an er media. in geome in groups	y. y. d e: try (appropriateness; a knowledge and ha xplaining (monolo (van Hiele levels omogeneous and h	wareness and bits. ogic method); of geometric neterogeneous	
 Assessment of stud Inclusion in mathe 	matics toochir	ige.							
	matics teaching	1 <u>8</u> .	LITERA	TURE					
 S. Varošanec, Meto M. Dejić, Metodika M. Slatina, Nastavn M. Pavleković, Meto Textbooks and wor 	dika nastave n nastave mater i metodi, Filoz odika nastave kbooks from ST	natematike natike, Uni zofski fakul matematike elementary UDENT	II – dio, za ir verzitet u Kr tet Univerzite e s informatik mathematics	nternu upot agujevcu, Ja eta u Saraje com 1, Elen	rebu, Zagro agodina, 20 vu, Sarajevo nent, Zagro n a semest	eb, 2 00. o, 19 eb, 19	004. 98. 996.		
Lectures	45 Tute	orial	30	Individual	work	75	Total	150	
	GRADING				l	RF	EMARKS		
Criterion	Mi po	aximum ints	Minimum points						

Midterm exams	60	ams 60 30
Final exam	40	40 25
Total	100	100 55