

Study program		Level of studies	Third cycle		
		Title of the study program	Science and mathematics education		
<b>COURSE</b>					
Course title		<b>Contemporary Research in Learning and Teaching Mathematics</b>			
Course ID	Semester	Course status	ECTS credits	Contact hours	
EDU653	II	Elective	10	60	
Lecturers	Lecturer in charge	Doc. dr. Dina Kamber Hamzić			
	Other lecturers				
Course aims					
<b>CONTENT</b>					
#	Teaching units	Contact hours			
		L	E/S	C	
	Development of high school mathematics syllabus. Mathematics in general education. Influence of modern mathematics; Modern problems of mathematics syllabus. Forming and supporting the interest for mathematics. Means of successful teaching and directing of learning; Planning for successful teaching and learning. Teaching evaluation; Professional preparation of mathematics teachers; teaching supervision. Mathematical literature and its use. Mathematical competitions.	30	30		
<b>LITERATURE</b>		<b>ASSESSMENT OF LEARNING</b>			
[1] Batler, H. C. i Lynwood, F. W.: Nastava matematike u srednjoj školi – Program i metodi, IV izdanje, Vuk Karadžić, Beograd, 1987. [2] Borzan i sar.: Razgovori o matematici, Moderna matematika, Školska knjiga, Zagreb, 1983. [3] Dadić, Ž.: Razvoj matematike, Moderna matematika, Školska knjiga, Zagreb, 1985. [4] Šikić, Z.: Kako je stvarana novovjekovna matematika, Moderna matematika, Školska knjiga, Zagreb, 1989. [5] Courant, R. i Robbins, H.: Šta je matematika, Naučna knjiga, Beograd, 1983. [6] Journals: Nastava matematike (Beograd), The Teaching of Mathematics (Beograd), Matematika i škola (Zagreb), Poučak (Zagreb), Matematika v šoli (Ljubljana), Sigma (Skoplje), Naša škola (Sarajevo),...		Assessment method	Points	Threshold	
		1.	Partial exams	25	13
		2.	Seminar papers	25	12
		3	Final exam	50	30
		4.			
		Total	100	55	