Study program		Level of studies	Third cycle
		Title of the study program	Science and mathematics education

COURSE					

Course title		**Selected Chapters in Teaching of Mathematics**			

Course ID	Semester	Course status		ECTS credits	Contact hours
EDU603	I	Mandatory		7	60

Lecturers	Lecturer in charge	Doc. Dr. Dina Kamber Hamzić
	Other lecturers	

Course aims	To develop ability for high-quality and successful innovation, planning, preparation and delivery of mathematics lessons, as well as the assessment of the mathematics subject in schools with a mathematical orientation

CONTENT				

#	Teaching units	Contact hours		
		L	E/S	C
	- Different problems and tasks in the mathematics lessons (open-ended and closed problems). Solving different types of tasks in mathematics. - Writing scientific and professional articles with the topics from the advanced mathematics lessons. - Presentation of results from the advanced mathematics lessons in scientific and professional conferences. - Analysis of the teaching content and supplementary materials for the mathematics lessons in the surrounding countries.	30	30	

LITERATURE	ASSESSMENT OF LEARNING			

[1] M. Pavleković, Metodika nastave matematike s informatikom I, Element, Zagreb, 2001.
[2] M. Pavleković, Metodika nastave matematike s informatikom II, Element, Zagreb, 1999.
[3] G. Polya, Kako ću riješiti matematički zadatak, Školska knjiga, Zagreb, 1984.
[4] High school and university mathematics textbooks approved by ministries of education in Bosnia and Herzegovina
[5] Scientific journals from the subject area Teaching of mathematics
[6] Professional journals of mathematics

	Assessment method	Points	Threshold
1.	Partial exams	2x20	2x10
2.	Seminar papers	15	10
3	Final exam	45	25
4.			
	Total	100	55