D	Level		Second	cycle				
Program	Name of the pr	rogram	Mather	natics Educ	cation			
			COUR	SE				
Course title			Teachi	ing Resear	ch Metl	nods		
Course code	Semester	Course stat			ECTS		Contact (L+AE+LE)	hours
EDU 511	III	Mandatory	course		5		2+0+1	
Lecturer								
Course Goals	and evaluation	of education	nal researe	ch.	1		planning, imple	
Learning Outcomes	combined para - able to descril - understand t elementary stat - identify statist - evaluate the c and informatics - describe vari	digms in edu be ways of ic the basic co istical calculatical tests that characteristic s in educatio ous quantitatical information	icational dentifying incepts of ations. at are adec s of reseation. ative and cs, and cc	research. 5 research p f descriptiv quate for ex urch instrum qualitative onsider the	roblems re and i xamining nents us methoo	and ef nferent certain ed in th ls used	aalitative, quanti fective literature tial statistics, and n research hypot ne research of m d in research ed tious research de	research. d perform heses. athematics lucation in
				DNTENT				
 Experiment pla Parametric stati Variance hypot Comparison of Analysis of vari Non-parametri χ2-test. Kolmo Regression ana Time series. Trend model. S Analysis and para 	unning and desig istical tests. hesis testing. parameters of b iance (ANOVA) c tests. Sign test. gorov-Smirnov t lysis and models	n. basic sets. . Kruskal-W Rank test. M test. . Multiple lin re SPSS. ne results of	allis and 1 Mann-Wh near regre	Friedman te itney-Wilco ssion mode	est. Dxon test	t. Runs	is in quantitative test. om an education:	
			ITERA	TURE				
[2] Kelly, A. E., 8 education. Rou	tledge. s, L. C., Irvine,	dologiju istra Eds.). (2012)	aživanja o). Handb	odgoja i obr ook of reso	earch de	sign in	eb: Educa. 1 mathematics a: 1 to research in	
[4] Šošić, I.: Primij[5] H.T.Nguyen, G[6] A.Sen,M.Srivas	enjena statistika, G.S.Rogers, Fund tava, Regression u matematičku s	lamentals of analysis, Spi	Mathema ringer Ve olskaknjig	atical Statist rlag, 1990. ga, Zagreb,	1993.	-	erlag, 1989.	
Lectures	30 Exercise		15	Individual	1	80	Total	125
incluies			15	mairiaual	WOIK			125
Criterion	GRADING Maxir	num Mi	inimum			KEM	IARKS	
Chitchon	poir	nts p	points					

Midterm exams	60	30
Final exam	40	25
Total	100	55