



<b>Subject code:</b> EDU 601	<b>Subject name:</b> Methodology of Educational Research I		
<b>Study cycle:</b> III	<b>Year:</b> I	<b>Semester:</b> I	<b>ECTS credits:</b> 9
<b>Status:</b> Mandatory		<b>Contact hours: 75</b> Lectures: 30 Exercises/Seminar: 45	
<b>Assigned professors and assistants:</b>	Teachers and associates selected in the field to which the subject belongs.		
<b>Prerequisites:</b>	/		
<b>Subject objectives:</b>	Becoming familiar with the most used quantitative research methods in educational research. Developing knowledge and skills to design and conduct research.		
<b>Teaching units:</b>	<ol style="list-style-type: none"> <li>1. Introduction to methodology of educational research</li> <li>2. Variables, measurement, scale of measurement</li> <li>3. Metric characteristics of instruments (Reliability, validity, discrimination)</li> <li>4. Research process steps</li> <li>5. Quantitative research methods (experiment, causal-comparative research, correlational study, survey study)</li> <li>6. Internal and external validity</li> <li>7. Research design</li> <li>8. Statistical methods (descriptive statistics, distribution and probability, hypothesis testing, t-test, ANOVA, correlation and regression)</li> </ol>		
<b>Learning outcomes:</b>	•		
<b>Teaching methods:</b>	Multimedia presentation and discussion (lectures); practical work, educational material analysis and discussion (exercises/seminar).		
<b>Knowledge testing methods with grading structure<sup>1</sup>:</b>		<i>Points</i>	<i>Minimum points</i>
	Partial exams	30	16
	Seminar papers	30	17
	Final exam	40	22

<sup>1</sup>The structure of points and point criteria for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught in accordance with Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton



	100	55
	<b>Assessment:</b>	
	<i>Grade</i>	<i>ECTS grade</i>
	10	(A) excellent
	9	(B) very good
	8	(C) good
	7	(D) satisfactory
	6	(E) sufficient
		(F, FX)
	5	insufficient
	95 - 100	85 - 94
	75 - 84	66 - 74
	55 - 64	55
<b>Literature<sup>2</sup>:</b>	<b>Mandatory:</b>	
	1. Goran Milas (2005). Istraživačke metode u psihologiji i drugim društvenim znanostima. Naklada Slap, Jastrebarsko.	
	2. Jack R Fraenkel, Norman E. Wallen (2008). How to Design and Evaluate Research in Education, 7 <sup>th</sup> edition. McGraw Hill Higher Education.	
	<b>Recommended:</b>	
	1. Anthony M. Graziano, Raulin, Michael L (2009). Research Methods: A Process of Inquiry, 7 <sup>th</sup> edition. Allyn & Bacon.	
	2. John Creswell (2007). Planning, Conducting, and Evaluating Quantitative and Qualitative Research: International Edition, 3 <sup>rd</sup> edition. Prentice Hall.	
	3. Sawyer, R.K. (Ed.). (2006). <i>The Cambridge Handbook of the Learning Sciences</i> . Cambridge University Press.	
	4. Slavin, R.E. (2006) <i>Educational Psychology: Theory and Practice</i> (Edition 8), Allyn & Bacon, Boston.	

<sup>2</sup>The Senate of the higher education institution as an institution or a council of the organizational unit of the higher education institution as a public institution determines mandatory and recommended textbooks and manuals, as well as other recommended literature on the basis of which exams are prepared by a special act which is required to be published on its website before the beginning of the academic year in accordance with Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton.