

UNIVERSITY "ECONOMICS ACADEMY" BRCKO DISTRICT OF BOSNIA AND HERZEGOVINA
 FACULTY OF EDUCATIONAL SCIENCES
 THIRD CYCLE – DOCTORAL ACADEMIC STUDIES
 PhD in Teaching Technology and Computer Science – 180 ECTS

CURRICULUM:

No.	Course Code	Course Title	Semester	Course Type	Status	Hours of Active Teaching			ECTS
						L	P	KV	
FIRST YEAR									
1.	DRMF01	Methodology of Scientific Research Work	1		M	4	2		8
2.	DRMF02	Knowledge Management	1		M	4	2		8
3.	DRMF03	<i>Elective 1</i>	1		E	2	2		7
		Selected Chapters of Discrete Mathematics							
		Classical Differential Geometry							
		Partial and Integral Equations							
4.	DRMF04	Research Work for Topic Selection and Literature Review for Doctoral Dissertation	1		M	0	4	1	7
Total:						10	10		30
5.	DRMF05	<i>Elective 2</i>	2		E	3	1		7
		Theory of Models							
		Theory of Recursion							
		Non-Euclidean Geometry							
6.	DRMF06	<i>Elective 3</i>	2		E	3	1		7
		Approximation Theory							
		Game Theory 1							
		Operational Research							
7.	DRMF07	Creation and Publication of the First Scientific Work	2		M	0	6		7
8.	DRMF08	Doctoral Dissertation-Topic Research 1	2		M	0	6		9
Total:						6	14		30
Total Hours of Active Teaching in the First Year of Doctoral Academic Studies:						240	360		60

SECOND YEAR									
1.	DRMF09	Change Management	3		M	4	2		8
2.	DRMF10	<i>Elective 4</i>	3		E	3	1		7
		Approximation Theory							
		Game Theory 2							
		Quantum Information and Quantum Mechanics Foundation							
3.	DRMF11	<i>Elective 5</i>	3		E	3	1		7
		Programming in Discrete Mathematics							
		Numerical Analysis Software							
		Quantum Field Theory							
4.	DRMF12	Doctoral Dissertation – Topic Research 2	3		M	0	6		8
Total:						10	10		30
5.	DRMF13	<i>Elective 6</i>	4		E	3	1		7
		Non-standard Analysis							
		Symmetry							
		Special Chapters of Atomic and Molecular Physics							
6.	DRMF14	Creation and Publication of the Second Scientific Work	4		M	0	6		8
7.	DRMF15	Doctoral Dissertation - Topic Research 3	4		M	0	10		15
Total:						3	17		30
Total Hours of Active Teaching in the Second Year of Doctoral Academic Studies:						195	405		60
THIRD YEAR									
1.	DI16	Doctoral Dissertation – Topic Research 4	5		M	0	10		15
2.	DI17	Writing a Doctoral Dissertation (Data Processing of a Doctoral Dissertation)	5		M	0	10		15
Total:						0	20		30
3.	DI18	Creation and Publication of the Third Scientific Work	6		M	0	6		8

4.	DI19	Doctoral Dissertation – Topic Research 5	6		M	0	6		8
5.	DI20	Doctoral Dissertation Defense	6		M	0	8		14
Total:						0	20		30
Total Hours of Active Teaching in the Third Year of Doctoral Academic Studies:						0	600		60
Total ECTS									180

A student who defends his/her doctoral dissertation after passing all the subjects provided for in the curriculum for six semesters receives a certificate of completion of the study program with 180 ECTS points, namely the PhD in Educational Sciences in the selected module – 180 ECTS.