

UNIVERSITY "ECONOMICS ACADEMY" BRCKO DISTRICT OF BOSNIA AND HERZEGOVINA
FACULTY OF TECHNICAL SCIENCES
THIRD CYCLE – DOCTORAL ACADEMIC STUDIES
PhD in Rail Transportation Engineering – 180 ECTS

CURRICULUM:

No.	Course Code	Course Title	Semester	Course Type	Status	Hours of Active Teaching			ECTS
						L	V	C	
FIRST YEAR									
1.	DS01	Methodology of Scientific Research Work	1		M	4	2		8
2.	DS02	Knowledge Management	1		M	4	2		8
3.	DS03	<i>Elective 1</i>	1		E	2	2		7
		Parking Management							
		Models of Quality Management in Logistics							
4.	DS04	Research Work for Topic Selection and Literature Review for Doctoral Dissertation	1		M	0	4		7
Total:						10	10		30
5.	DS05	<i>Elective 2</i>	2		E	3	1		7
		Information Technologies in Traffic							
		Passenger Transport Systems							
6.	DS06	<i>Elective 3</i>	2		M	3	1		7
		Traffic Routing in Communication Networks							
		Simulation Modeling							
7.	DS07	Creation and Publication of the First Scientific Work	2		E	0	6		7
8.	DS08	Doctoral Dissertation-Topic Research 1	2		E	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.	DS09	Change Management	3		M	4	2		8

2.	DS10	<i>Elective 4</i>	3		E	3	1		7
		System Management Theory							
		Time Series Analysis							
3.	DS11	<i>Elective 5</i>	3		E	3	1		7
		Descriptive Mathematics							
		Decision Support Systems in Traffic and Transport							
4.	DS12	Doctoral Dissertation - Topic Research 2	3		M	0	6		8
Total:						10	10		30
5.	DS13	<i>Elective 6</i>	4		E	3	1		7
		Transport Safety Performance							
		Supply Chains							
6.	DS14	Creation and publication of other scientific work	4		M	0	6		8
7.	DS15	Doctoral dissertation - research topic 3	4		M	0	10		15
Total:						3	17		30
Total Hours of Active Teaching in the Second Year of Doctoral Academic Studies:						19 5	405		60
THIRD YEAR									
1.	DS16	Doctoral Dissertation – Topic Research 4	5		M	0	10		15
2.	DS17	Writing a Doctoral Dissertation (Data Processing of a Doctoral Dissertation)	5		M	0	10		15
Ukupno časova:						0	20		30
3.	DS18	Creation and Publication of the Third Scientific Work	6		M	0	6		8
4.	DS19	Doctoral Dissertation – Topic Research 5	6		M	0	6		8
5.	DS20	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
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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 PhD in Technical Sciences in the selected module – 180 ECTS