

UNIVERSITY "ECONOMICS ACADEMY" BRCKO DISTRICT OF BOSNIA AND HERZEGOVINA
 FACULTY OF TECHNICAL SCIENCES
 THIRD CYCLE – DOCTORAL ACADEMIC STUDIES

PhD in Civil Engineering – 180 ECTS

CURRICULUM:

No.	Course Code	Course Title	Semester	Course Type	Status	Hours of Active Teaching			ECTS
						L	V	C	
FIRST YEAR									
1.	DG01	Methodology of Scientific Research Work	1		M	4	2		8
2.	DG02	Knowledge Management	1		M	4	2		8
3.	DG03	<i>Elective 1</i>	1		E	2	2		7
		Simulation Modeling							
		Models of Quality Management in Logistics							
4.	DG04	Research Work for Topic Selection and Literature Review for Doctoral Dissertation	1		M	0	4		7
Total:						10	10		30
5.	DG05	<i>Elective 2</i>	2		E	3	1		7
		Information Technologies in Construction							
		Environmental Engineering							
6.	DG06	<i>Elective 3</i>	2		E	3	1		7
		Protection and Revitalization of Construction Heritage							
		Digital Methods and Technologies							
7.	DG07	Creation and Publication of the First Scientific Work	2		M	0	6		7
8.	DG08	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.	DG09	Change Management	3		M	4	2		8

2.	DG10	<i>Elective 4</i>	3		E	3	1		7
		Theory of System Management							
		Application of Computers in Construction and Architecture							
3.	DG11	<i>Elective 5</i>	3		E	3	1		7
		Descriptive Mathematics							
		Concrete Technology							
4.	DG12	Doctoral Dissertation – Topic Research 2	3		M	0	6		8
Total:						10	10		30
5.	DG13	<i>Elective 6</i>	4		E	3	1		7
		Automation of Production Systems							
		Computer Control of Machines and Tools							
6.	DG14	Creation and Publication of the Second Scientific Work	4		M	0	6		8
7.	DG15	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.	DG16	Doctoral Dissertation – Topic Research 4	5		M	0	10		15
2.	DG17	Writing a Doctoral Dissertation (Data Processing of a Doctoral Dissertation)	5		M	0	10		15
Total:						0	20		30
3.	DG18	Creation and Publication of the Third Scientific Work	6		M	0	6		8
4.	DG19	Doctoral Dissertation – Topic Research 5	6		M	0	6		8
5.	DG20	Doctoral Dissertation Defense	6		M	0	8		14
Total:						0	20		30
Total Hours of Active Teaching in the Third Year of Doctoral Academic						0	600		60

Studies:				
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 PhD of Technical Sciences in the selected module – 180 ECTS