

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

PhD in Forestry Engineering – 180 ECTS

**CURRICULUM:**

No.	Course Code	Course Title	Semester	Course Type	Status	Hours of Active Teaching			ECTS
						L	V	C	
<b>FIRST YEAR</b>									
1.	DŠ01	Methodology of Scientific Research Work	1		M	4	2		8
2.	DŠ02	Knowledge Management	1		M	4	2		8
3.	DŠ03	<i>Elective 1</i>	1		E	2	2		7
		Modern Technologies in Forest Exploitation							
		Models of Quality Management in Logistics							
4.	DŠ04	Research Work for Topic Selection and Literature Review for Doctoral Dissertation	1		M	0	4		7
<b>Total:</b>						<b>10</b>	<b>10</b>		<b>30</b>
5.	DŠ05	<i>Elective 2</i>	2		E	3	1		7
		Multifunctional Planning of Forest Management							
		Ecological Engineering and Utilization of Forests							
6.	DŠ06	<i>Elective 3</i>	2		E	3	1		7
		Protection and Revitalization of Forest Heritage							
		Digital Methods and Technologies							
7.	DŠ07	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
<b>Total:</b>						<b>6</b>	<b>14</b>		<b>30</b>
<b>Total Hours of Active Teaching in the First Year of Doctoral Academic Studies:</b>						<b>240</b>	<b>360</b>		<b>60</b>
<b>SECOND YEAR</b>									

1.	DŠ09	Change Management	3		M	4	2		8
2.	DŠ10	<i>Elective 4</i>	3		E	3	1		7
		Classic and Modern Methods of Forest Transport Infrastructure Design by Change Management							
		Application of Computers in Forestry							
3.	DŠ11	<i>Elective 5</i>	3		E	3	1		7
		Descriptive Mathematics							
		Forest Trees and Stands Growth Dynamics							
4.	DŠ12	Doctoral Dissertation – Topic Research 2	3		M	0	6		8
<b>Total:</b>						<b>10</b>	<b>10</b>		<b>30</b>
5.	DŠ13	<i>Elective 6</i>	4		E	3	1		7
		Application of Satellite Images in Forestry							
		Application of Modern Technologies in Forest Inventory							
6.	D14	Creation and Publication of the Second Scientific Work	4		M	0	6		8
7.	DŠ15	Doctoral Dissertation - Topic Research 3	4		M	0	10		15
<b>Total:</b>						<b>3</b>	<b>17</b>		<b>30</b>
<b>Total Hours of Active Teaching in the Second Year of Doctoral Academic Studies:</b>						<b>195</b>	<b>405</b>		<b>60</b>
<b>THIRD YEAR</b>									
1.	DŠ16	Doctoral Dissertation – Topic Research 4	5		M	0	10		15
2.	DŠ17	Writing a Doctoral Dissertation (Data Processing of a Doctoral Dissertation)	5		M	0	10		15
<b>Total:</b>						<b>0</b>	<b>20</b>		<b>30</b>
3.	DŠ18	Creation and Publication of the Third Scientific Work	6		M	0	6		8
4.	DŠ19	Doctoral Dissertation – Topic Research 5	6		M	0	6		8

5.	DŠ20	Doctoral Dissertation Defense	6		M	0	8		14
<b>Total:</b>						0	20		30
<b>Total Hours of Active Teaching in the Third Year of Doctoral Academic Studies:</b>						0	600		60
<b>Total ECTS</b>									<b>180</b>

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