

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

CURRICULUM:

| No. | Course Code | Course Title | Semester | Course Type | Status | Hours of Active Teaching | | | ECTS |
|---|-------------|---|----------|-------------|--------|--------------------------|------------|---|-----------|
| | | | | | | L | V | C | |
| FIRST YEAR | | | | | | | | | |
| 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 |
| Total: | | | | | | 10 | 10 | | 30 |
| 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 |
| Total: | | | | | | 6 | 14 | | 30 |
| Total Hours of Active Teaching in the First Year of Doctoral Academic Studies: | | | | | | 240 | 360 | | 60 |
| SECOND YEAR | | | | | | | | | |
| 1. | DŠ09 | Change Management | 3 | | M | 4 | 2 | | 8 |

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|--|------|---|---|--|---|-----|-----|--|----|
| 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 |
| Total: | | | | | | 10 | 10 | | 30 |
| 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 |
| Total: | | | | | | 3 | 17 | | 30 |
| Total Hours of Active Teaching in the Second Year of Doctoral Academic Studies: | | | | | | 195 | 405 | | 60 |
| THIRD YEAR | | | | | | | | | |
| 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 |
| Total: | | | | | | 0 | 20 | | 30 |
| 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 |

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|---|----------|------------|--|------------|
| 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 PhD in Technical Sciences in the selected module – 180 ECTS