

UNIVERSITY "ECONOMICS ACADEMY" BRCKO DISTRICT OF BOSNIA AND HERZEGOVINA
 FACULTY OF HEALTH SCIENCES
 THIRD CYCLE – DOCTORAL ACADEMIC STUDIES
 PhD of Health Sciences, major in Midwifery – 180 ECTS

CURRICULUM

| No. | Course Code | Course Title | Sem. | Type | Status | Hours of Active Teaching | | | ECTS |
|-------------------|-------------|---|------|------|--------|--------------------------|----|---|------|
| | | | | | | L | P | C | |
| FIRST YEAR | | | | | | | | | |
| 1. | DZD01 | Methodology of scientific and research work | 1 | | M | 4 | 2 | | 8 |
| 2. | DZD02 | Knowledge management | 1 | | M | 4 | 2 | | 8 |
| 3. | DZD03 | <i>Elective subject 1</i> | 1 | | E | 2 | 2 | | 7 |
| | | Preventive health care | | | | | | | |
| | | Prevention and therapy of vertebral disorders | | | | | | | |
| | | Research methods in cardiorespiratory rehabilitation | | | | | | | |
| | | Histotechnology and cytotechnology | | | | | | | |
| | | Safety at work in laboratories | | | | | | | |
| | | Autonomy of midwifery proxy | | | | | | | |
| | | Health importance of functional food | | | | | | | |
| | | Marketing in Cosmetic Technology | | | | | | | |
| | | Quality Management in Cosmetic Technology | | | | | | | |
| 4. | DZD04 | Research Work for Topic Selection and Literature Review for Doctoral Dissertation | 1 | | M | 0 | 4 | | 7 |
| Total: | | | | | | 10 | 10 | | 30 |
| 5. | DZD05 | <i>Elective 2</i> | 2 | | E | 3 | 1 | | 7 |
| | | Information and communication systems in healthcare | | | | | | | |
| | | Pharmakotherapy in physical medicine and rehabilitation | | | | | | | |
| | | Epidemiology of hospital infections and control of blood-borne diseases | | | | | | | |
| | | Standardization and control of work in laboratory medicine | | | | | | | |
| | | Modern laboratory methods in molecular diagnosis of diseases | | | | | | | |
| | | Evidence-based midwifery | | | | | | | |
| | | Assessment of public health risks in nutrition | | | | | | | |
| | | Colloidal Stability in Cosmetic Technology | | | | | | | |
| | | Microbiological Stability of Cosmetological Products | | | | | | | |

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| 6. | DZD06 | <i>Elective 3</i> | 1 | | E | 3 | 1 | | 7 |
| | | Operational health care process | | | | | | | |
| | | Physiotherapy assessment in clinical practice | | | | | | | |
| | | Radiological technologies | | | | | | | |
| | | HACCP and other risk assessment systems in production processes | | | | | | | |
| | | Clinical laboratory diagnostics | | | | | | | |
| | | Pharmacology in midwifery | | | | | | | |
| | | Foodborne diseases | | | | | | | |
| | | Quality Control in Cosmetological Technology | | | | | | | |
| | | Surfactants in Cosmetic Production | | | | | | | |
| 7. | DZD07 | Creation and Publication of the First Scientific Work | 2 | | M | 0 | 6 | | 7 |
| 8. | DZD08 | 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 | 210 | | 60 |
| SECOND YEAR | | | | | | | | | |
| 1. | DZD09 | Change Management | 3 | | M | 4 | 2 | | 8 |
| 2. | DZD10 | <i>Elective 4</i> | 3 | | E | 3 | 1 | | 7 |
| | | Intensive therapy and patient care. | | | | | | | |
| | | Prevention and therapy of vertebral disorders. | | | | | | | |
| | | Laboratory technologies in immunology. | | | | | | | |
| | | Sanitary hydrotechnics . | | | | | | | |
| | | Instrumentation with Radiation Physics | | | | | | | |
| | | Biomechanics of postural deviations in childhood | | | | | | | |
| | | Antioxidants in nutrition | | | | | | | |
| | | Carriers of Active Substances in Cosmetic Products | | | | | | | |
| | | Cosmetically Active Substances of Natural Origin | | | | | | | |
| 3. | DZD11 | <i>Elective 5</i> | 3 | | E | 3 | 1 | | 7 |
| | | Reanimation and emergency health care | | | | | | | |
| | | Manual techniques in physiotherapy | | | | | | | |
| | | Radiological biology and radiological protection | | | | | | | |
| | | Laboratory data processing | | | | | | | |
| | | Cell dynamics | | | | | | | |

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|---|-------|--|---|--|---|-----|-----|--|-----|
| | | Family health protection | | | | | | | |
| | | Food additives | | | | | | | |
| | | Raw Materials in Cosmetic Technology | | | | | | | |
| | | Active Cosmetic Preparations – Cosmeceuticals | | | | | | | |
| 4. | DZD12 | Doctoral Dissertation-Topic Research 2 | 3 | | M | 0 | 6 | | 8 |
| Total: | | | | | | 10 | 10 | | 30 |
| 5. | DZD13 | <i>Elective 6</i> | 4 | | E | 3 | 1 | | 7 |
| | | Medical Rehabilitation with Care | | | | | | | |
| | | Sports Physiotherapy | | | | | | | |
| | | Intensive Therapy and Patient Care | | | | | | | |
| | | Process of operative Nursing Care in Health Care | | | | | | | |
| | | Fundamentals of Molecular Biology Technology | | | | | | | |
| | | Introduction to Health Statistics and Informatics | | | | | | | |
| | | Methods of Nutrition Data Collection | | | | | | | |
| | | Drug Design | | | | | | | |
| | | Legislation in Cosmetic Technology | | | | | | | |
| 6. | DZD14 | Creation and Publication of the Second Scientific Work | 4 | | M | 0 | 6 | | 8 |
| 7. | DZD15 | 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. | DZD16 | Doctoral Dissertation-Topic Research 4 | 5 | | M | 0 | 10 | | 15 |
| 2. | DZD17 | Writing a Doctoral Dissertation (Data Processing of a Doctoral Dissertation) | 5 | | M | 0 | 10 | | 15 |
| Total: | | | | | | 0 | 20 | | 30 |
| 3. | DZD18 | Creation and Publication of the Third Scientific Work | 6 | | M | 0 | 6 | | 8 |
| 4. | DZD19 | Doctoral Dissertation-Topic Research 5 | 6 | | M | 0 | 6 | | 8 |
| 5. | DZD20 | Doctoral Dissertation Defense | 6 | | M | 0 | 8 | | 14 |
| Total: | | | | | | | 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 of Health Sciences, major in Midwifery – 180 ECTS

