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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Occupational Safety in Niš |
| **GENERAL INFORMATION** |
| Study program  | Environmental Protection |
| Study Module (if applicable) | / |
| Course title | **Ecology** |
| Level of study | ☒ Bachelor Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒Elective |
| Semester  |  ☒ Autumn ☐Spring |
| Year of study  | **III** |
| Number of ECTS allocated | **6** |
| Name of lecturer/lecturers | **Jasmina Radosavljević** |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Acquiring elementary ecological knowledge to be applied during environmental impact assessment.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Ecology (term, definition, object of study). The division of ecology. Environment. Environmental factors, division of ecological factors (abiotic, biotic and anthropogenic). The ecological valence. Life habitat - biotope. Life community - biocenoza. Ecosystem as the union of biotope and biocenosis. Biome. Basic types of biomes. Biodiversity. Population and characteristics of the population. Circulation of matter and energy flow in ecosystems. Тhe circulation of carbon in the environment (carbon cycle). The circulation of nitrogen among the atmosphere (nitrogen cycle). The circulation of phosphorus in the environment (phosphorus cycle). The circulation of sulfur cycle in the environment (sulfur cycle). Hydrological cycle. Biosphere. Environmental pollution. Environmental protection. |
| **LANGUAGE OF INSTRUCTION** |
| ☒Serbian (complete course) ☐ English (complete course) ☐ Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)☐Serbian with English mentoring ☐Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **10** | **Written examination** | **40** |
| **Practical teaching** |  | **Oral examination** | **-** |
| **Teaching colloquia** | **2 x 25 = 50** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |