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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Sciences and MathematicsDepartment of Biology and Ecology |
| **GENERAL INFORMATION** |
| Study program  | **Ecology and natural protection** |
| Study Module (if applicable) | / |
| Course title | **Urban ecology** |
| Level of study | ☐Bachelor **☒** Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory **☒** Elective |
| Semester  |  **☒** Autumn ☐Spring |
| Year of study  | second |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | **Slaviša M. Stamenković** |
| Teaching mode |  **☒**Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work **☒** Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Acquiring knowledge on the phenomena, laws and principles of the structure and functioning of urbanized and industrialized ecosystems;ability to identify and solving problems of antropogenic altered ecosystems (urban and industrialized) |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Anthropogenic ecosystems and their classification. Characteristics and structure of the urban ecosystem. Industrial ecosystems. Suburban ecosystems. EUNIS habitat types according to the classification of the urban ecosystem. Flora and vegetation, fauna and fungi in urban ecosystems. Dynamics of plant and animal populations in urban biocenosis. The human race and basic economic activities, overview and ecology of urban habitats. The city as an ecological system. Sinurbana flora and fauna. Ecological aspects of urban planning. Flora urban biotope in the case of the city of Nis. Trophic relations and trade of energy in urban ecosystems. The effect of pollutants on plants and animals in urban ecosystems |
| **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** | **14** | **Written examination** | **12** |
| **Seminar** | **10** | **Oral examination** | **44** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |