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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of Sciences and Mathematics  Department of Biology and Ecology | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Biology | | |
| Study Module (if applicable) | | | | / | | |
| Course title | | | | **General 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)** | | | | | | |
| understanding and application of basic principles of ecology;  knowledge of basic ecological principles; knowledge of structure and functions of the basic level of environmental organizations; ability to correctly understand the relationship between the animate and inanimate nature; | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| INTRODUCTION. Ecology as a multidisciplinary science and its divisions. Ecological method. Genetics and ecology. The danger to wildlife. Natural selection and selection. ENVIRONMENTAL FACTORS. Abiotic ecological factors. Biotic ecological factors. Biotic systems. The characteristics of the population. Biocenosis and the most important types of biocenoses. The richness of species and biodiversity. Characteristics and types of ecosystems. Stability and equilibrium of biotic systems. Succession. Energy and matter in ecosystems. Trophic structure. Food chains. Bioenergy cycles. Energy flow. | | | | | | |
| **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** | | | **/** |
| **Seminar** | **/** | | **Oral examination** | | | **40** |
| **Teaching colloquia** | **50** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |