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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Sciences and Mathematics | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Biology and Ecology** | | |
| Study Module (if applicable) | | | |  | | |
| Course title | | | | **Organic Evolution** | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | Third | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Prof Dr Jelka Crnobrnja-Isailović | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Adopting dynamic perception on structures and processes in the living world. Understanding principles of biological evolution through learning how evolutionary factors shape life on Earth. Recognition of importance that implementation of principles of biological evolution has in applied biological sciences. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Structure of evolutionary biology and historical development of concept of biological evolution. Principles of classification and phylogeny and importance of fossil records in tracing evolutionary history. Overview on variability in the living world, population structure of living beings and concept of genetic drift. Natural selection and adaptations. Evolution of quantitative traits. Speciation and species concepts. Evolution of developmental processes. Origin and history of life on Earth. Evolution of biodiversity. Human Evolution. | | | | | | |
| **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** | **5** | | **Written examination** | | | **20** |
| **Practical teaching** | **5** | | **Oral examination** | | | **30** |
| **Teaching colloquia** | **40** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |