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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 | | | | Fundamentals of Conservation Biology | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | Third | | |
| Number of ECTS allocated | | | | 4 | | |
| 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)** | | | | | | |
| Learning on applicability of basic knowledge stemmed from population and evolutionary biology in biodiversity conservation. Application of basic principles in evolutionary biology for solving problems related to conservation of genetic diversity, species diversity and diagnostics of threatened taxa. Learning on basic calculations of survival probability of threatened populations or entire species when implementing various conservation and/or management strategies. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Introduction to conservation biology. Equilibrium theory of island biogeography. Status and importance of biodiversity. Recognizing priorities for conservation. Conservation genetics. Extinction of contemporary species and consequence for biodiversity conservation. Small population size issue. Case studies in conservation biology. Introduction to population viability analysis (PVА). Use of Vortex software in conservation biology. | | | | | | |
| **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** | | | **38** |
| **Practical teaching** | **5** | | **Oral examination** | | | **30** |
| **Teaching colloquia** | **22** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |