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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Sciences and Mathematics |
| **GENERAL INFORMATION** |
| Study program  | Ecology and nature protection |
| Study Module (if applicable) |  |
| Course title | Conservation Biology |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | Second |
| Number of ECTS allocated | 7 |
| Name of lecturer/lecturers | Prof Dr Jelka Crnobrnja-Isailović |
| Teaching mode |  [x] Lectures [x] Group tutorials [ ]  Individual tutorials [x] Laboratory work [ ]  Project work [x]  Seminar [x] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Acquiring knowledge in metapopulation concept, population viability analysis. Introduction to phylogeography and its application in conservation biology. Mastered metapopulation concept. Mastered application of various population viability models. Mastered basic interpretation of results in phylogeographic analyses.  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Metapopulation concept. Levins’ metapopulation model. Metapopulation genetics and evolution. Interactions of metapopulations and metacommunities. Spatial population structure. Metapopulation dynamics in conservation biology. Quantitative conservation biology – theory and praxis. Population viability analyses. Contemporary evolution and its impact on biodiversity. Phylogeography concept and application of phylogeographic methods in conservation biology.  |
| **LANGUAGE OF INSTRUCTION** |
| [x] Serbian (complete course) [x]  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** | **30** |
| **Practical teaching** | **5** | **Oral examination** | **30** |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |