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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) | Biology, Ecology and Nature Conservation |
| Course title | Methodology of scientific work |
| 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 | 12 |
| Name of lecturer/lecturers | Dr Zorica Stojanović-Radić |
| Teaching mode |  [x] Lectures [x] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [x]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The course aims to provide knowledge about scientific work methodology and to prepare students for working, writing and publishing their own scientific papers. As an outcome of the course, students will be able to select research subject, review scientific literature, make scientific designs, research plan and to perform scientific research, as well as to write results of their research in the form of scientific paper. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Concept, role and history of science. Significance of scientific work, scientific information and communication. Selection of the research subject, construction of the hypotesis and research plan. Rewieving of literature data for scientific work. Collection and managing of samples – laboratory and field work. Structure of original scientific paper. Presentation of the scientific results – oral presentation and poster presentation. Publishing of scientific research results. Valuation of scientific work. Moral and ethics in science. |
| **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** | **10** | **Written examination** | **0** |
| **Practical teaching** | **20** | **Oral examination** | **30** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |