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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Sciences and MathematicsDepartment of Biology and Ecology |
| **GENERAL INFORMATION** |
| Study program  | Biology |
| Study Module (if applicable) | / |
| Course title | Ecotoxicology |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | first |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Ljubiša Đorđević |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [ ]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Learning about the harmful effects of toxins from the environment on the living organism |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| General principles of toxicology. The main types of toxicants / pollutants. Toxic effects. Biotransformation and detoxification. Definition and historical development of ecotoxicology. Interdisciplinarity of ecotoxicology. The spread of toxic substances in the environment. The accumulation of toxic substances in organisms. Methods and ways of identifying and measuring the impact of pollution / environmental toxicants. Toxicity tests. Changes at the population level. Changes at the ecosystem level. Changes at the molecular and cellular level and at the level of the organism. Global changes caused by anthropogenic activities. |
| **LANGUAGE OF INSTRUCTION** |
| [x] 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** | **10** |
| **Practical learning** | **5** |  |  |
| **Colloquia** | **20** | **Oral examination** | **50** |
| **Seminar** | **10** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |