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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Occupational Safety in Niš |
| **GENERAL INFORMATION** |
| Study program  | Environmental Engineering |
| Study Module (if applicable) | / |
| Course title | Methods of Environmental Safety Management |
| Level of study | ☐Bachelor ☐ Master’s ☒ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☐ Autumn ☒Spring |
| Year of study  | First year |
| Number of ECTS allocated | 10 |
| Name of lecturer/lecturers | Nenad Živković |
| Teaching mode |  ☒Lectures ☒Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☒ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Mastering the theoretical knowledge about the methods, methodologies and mechanisms for environmental safety. Application of voluntary tools and less formal approaches to environmental safety management.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The living environment today and concepts of safety ‐ sustainable development, sustainable development indicators.Ecological crisis and the response of the international community: aspects and impacts. Evaluation of the significant environmental aspects. The situational analysis and impact analysis. Trends in environmental safety management. Tools for environmental management on a voluntary basis (standards). Methods of control and management of environmental safety: types of control, waste management, chemicals management, wastewater management, air quality management, energy impact management. Less formal approaches for environmental management. Environmental performance evaluation. Clean production. Energy efficiency and energy efficiency management. Environmental auditing. Life cycle assessment. Integrated product policy. Environmental performance indicators. Reporting on the Environment. Risk assessment and risk management. Monitoring for the purpose of environmental safety management: monitoring and measuring environmental impact, indicators of the environmental performance, environmental quality. Emergency situations and emergency response in terms of environmental safety management. |
| **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** | **0** | **Written examination** | **0** |
| **Practical teaching** | **40** | **Oral examination** | **60** |
| **Teaching colloquia** | **0** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |