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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 | Electrotechnical safety systems |
| Level of study | ☐ Bachelor ☐ Master’s ☒ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  |  ☒ Autumn ☐Spring |
| Year of study  | Second year |
| Number of ECTS allocated | 10 |
| Name of lecturer/lecturers | Dejan Petković, Milan Blagojević |
| Teaching mode |  ☒ Lectures ☐ Group tutorials ☒ Individual tutorials ☐ Laboratory work ☒ Project work ☒ Seminar ☐ Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Acquiring the knowledge required for the use, design and research of electro ‐ technical systems of occupational safety and fire protection in the working and living environment. Students will develop competence to analyze, control, monitor and design the systems together with the engineers with diverse expertise, and to develop knowledge for generating methods and procedures for management of integrated safety systems that include electro ‐ technical systems.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Lighting protection electrical systems. Electrical systems for protection from the harmful effects of electricity. Electromagnetic compatibility. Grounding and bonding electrical systems. Static electricity and elimination systems. Electrical systems for fire protection, protection from burglary and protection in emergency situations. Integration and collaboration of electrical systems in occupational and environmental safety. Electrical systems and pollution of workplace environment. Electrical systems and their impact on human health.  |
| **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** | **10** | **Written examination** | **20** |
| **Practical teaching** | **35** | **Oral examination** | **20** |
| **Teaching colloquia** | **15** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |