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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Occupational Safety in Niš |
| **GENERAL INFORMATION** |
| Study program  | Occupational Safety Engineering  |
| Study Module (if applicable) | / |
| Course title | Safety in Technological Systems |
| 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 | Ivan Krstić |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☒ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Acquiring knowledge necessary for the analysis and selection of optimal solutions in terms of safety in technological systems. Students should gain knowledge and skills for the analysis and application of methods and methodologies in terms of safety in technological systems.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Fundamentals of risk management in technological systems. The criteria for risk assessment of threats to workers’ health in technological systems. Identification of hazards. Estimation of exposure, risk characterization and classification. Assessment of the risk consequences in technological systems on working environment. Implementation of protective measures and technical solutions with the aim to increase the level of safety in technological systems. |
| **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** |  | **Written examination** |  |
| **Practical teaching** | **100 (two term paper)** | **Oral examination** |  |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |