|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of Occupational Safety in Niš | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Fire Protection Engineering | | |
| Study Module (if applicable) | | | | / | | |
| Course title | | | | Fire Protection in Technological Processes | | |
| Level of study | | | | ☐Bachelor ☒ Master’s ☐ Doctoral | | |
| Type of course | | | | ☒ Obligatory ☐ Elective | | |
| Semester | | | | ☒ Autumn ☐Spring | | |
| Year of study | | | | First year | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Branislav Anđelković, 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)** | | | | | | |
| *Enabling students to analyze technological processes and implement protective measures in order to reduce the risk from fire and explosions. Students will acquire knowledge and skills for the application of methods, methodology, and procedures for analysis, design, and functioning of technological processes pertaining to protection against fire and explosions.* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Analysis and assessment of risk from fire and explosions in technological processes. Selection of input elements significant for protection against fire and explosions during technological process design. Technological processes accompanied by flammable dust, gases, vapours, and liquids. Categorization and classification of materials and raw materials as a basis for assessing risk from fire and explosions. Designating danger zones in technological processes in terms of threat level of fire and explosions. Hazards and protective measures for fire and explosions of specific technological processes in metallurgic, metal, chemical, petrochemical, and food industry. | | | | | | |
| **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** | | | **10** |
| **Practical teaching** | **20 (term paper)** | | **Oral examination** | | | **30** |
| **Teaching colloquia** | **30** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |