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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Occupational Safety in Niš |
| **GENERAL INFORMATION** |
| Study program  | Occupational Safety |
| Study Module (if applicable) | / |
| Course title | Occupational and Environmental chemical parameters |
| Level of study | ☒ Bachelor  ☐ Master’s ☐Doctoral |
| Type of course | ☒ Obligatory ☐ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | **II** |
| Number of ECTS allocated | **6** |
| Name of lecturer/lecturers | **Danilo Popović, Amelija Djordjević** |
| 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 about chemical parameters of the occupational and living environment and their purpose and functions; acquiring skills to perform a comparative analysis of chemical parameters and results of chemical analysis and to determine the chemical pollution level of the occupational and living environment.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| International System of Units – chemical quantities and units, physicochemical quantities and units, biochemical quantities and units. The term chemical parameters of the occupational and living environment. Classification of chemical parameters according to the type of harmfulness – toxic parameters, fire and explosion parameters (parameters of flammability, ignition, combustion, self‐combustion, smoulder, and explosions), oxidationreductive, radioactive, and other parameters. Sources of chemical pollution in the occupational and living environment. Chemical parameters of the occupational environment. Chemical parameters of the living environment (parameters of water, air, soil, and food). Standards and recommendations for allowed values of chemical parameters. Diagnostics of the occupational and living environmental condition. |
| **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** | **15** | **Written examination** |  |
| **Practical teaching** |  | **Oral examination** | **40** |
| **Seminary work** | **15** |  |  |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |