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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of Occupational Safety in Niš | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Emergency Managemant | | |
| Study Module (if applicable) | | | | / | | |
| Course title | | | | Risk and Recovery of Accidents | | |
| Level of study | | | | ☐Bachelor ☒ Master’s ☐ Doctoral | | |
| Type of course | | | | ☒ Obligatory ☐ Elective | | |
| Semester | | | | ☒ Autumn ☐Spring | | |
| Year of study | | | | I | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Nenad Živković, Amelija Đorđević | | |
| 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 procedures and methodological approaches to: identifying damageable objects, determining possible accident level, safety measures, and remediation stages and procedures.* | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| **Identification of risk objects. Materials which are subject to accident risk assessment. Threshold quantities in a process. Analysis of effects beyond the risk object complex: selection of methods for creating a model, worst case scenarios of hazardous material release, alternative scenarios of hazardous material release. Assumptions for creating a model. Evaluation of distance from the hazard limit. Determining damageable objects beyond the risk object complex. Accident risk assessment: selection and preliminary analysis of objects, assessment of risk caused by a major accident, risk assessment of continuous emissions. Risk maps of toxicological effects, explosion shock waves, and heat effects. Safety measures for buildings and facilities. Stages and procedures of accident remediation.** | | | | | | |
| **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** | | | **0** |
| **Practical teaching** | **20** | | **Oral examination** | | | **40** |
| **Teaching colloquia** | **30** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |