|  |
| --- |
|  **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** |