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|  **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 | Intervention and Rescue Tactics |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory ☐ Elective |
| Semester  |  ☐ Autumn ☒Spring |
| Year of study  | I |
| Number of ECTS allocated | 4 |
| Name of lecturer/lecturers | Dragan Mlađan |
| 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 to devise strategic and tactical plans for emergency interventions due to fire and explosions.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **The term fire and classification according to development stages, point of origin, and type of flammable material. Tactical capabilities of fire and rescue units and activities of fire and rescue division and company. Basic tactical activities during extinguishment and rescue. Reception of fire alarm signal and alerting of the fire and rescue unit; fire reconnaissance; tactical development; technical equipment setup. Operation of the initial attack crew and nozzle team. Rescue and evacuation of people and material and cultural wealth from fires. Completion of intervention. Tactical use of water as a fire extinguishing agent. Tactical use of powder as a fire extinguishing agent. Tactical use of CO2 as a fire extinguishing agent. Tactical use of foam. Fire localization and extinguishment. Hazards during movement through the****intervention site. Hazards from collapsing structures. Hazards from heat and high temperature. Hazards from electric shock. Hazards from products of combustion. Hazards from explosions. Hazards from aggressive and toxic materials. Organization of support crew operations at the fire site. Communication and signalization at the fire site. Water supply at the fire site. Estimation of needed forces and extinguishing agents. Fire development and extinguishment in cellars and confined spaces. Fire development and extinguishment in chemical industry. Fire development and extinguishment in electric energy facilities. Development and extinguishment of forest fires. Development and extinguishment of hazardous material (difficult to extinguish) fires. Development and extinguishment of explosive material fires. Fire development and extinguishment in radioactive environments.** |
| **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** | **30** | **Oral examination** | **40** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |