|  |
| --- |
|  **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 | [Pressurized](Tabela%205.2%20izborni/Tabela%205.2%20Postrojenja%20pod%20pritiskom.doc) Facilities and Installations |
| Level of study | ☒Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☒ Autumn ☐Spring |
| Year of study  | Third year |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Ljiljana Živković |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☒ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Students’ ability to identify and classify pressurized facilities and installations, to analyze hazards when handling pressurized facilities and installations, to understand and apply protective measures, and to implement relevant standards.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The term and definition of pressurized facilities, containers, and installations. Division based on different comparison criteria. Relevant standards. Heated and non-heated pressure containers. Steam boilers, steam overheaters, and water boilers. Non-heated containers, surface and ground reservoirs. Mobile pressure containers (lorry tankers, wagon tankers, ship tankers). Portable tanks (containers, barrels, kegs, and bottles). Protective measures during work with pressurized facilities and installations. Marking pressure containers, pressure container material, types of pressure container construction. Calculations of pressure containers and installations. Reinforcement of pressure containers and installations. Operative, measuring, and safety reinforcement. Testing of reinforcement and pressure containers and installations. Energy fluids and technical gases. Reinforcement, installation and containers for gases (natural gas, propane-butane, LPG). |
| **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** | **20** |
| **Practical teaching** | **10** | **Oral examination** | **40** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |