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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** |  |
| **GENERAL INFORMATION** |
| Study program  | **Mechanical engineering** |
| Study Module (if applicable) |  |
| Course title | APPLIED TECHNOLOGY OF PLASTICTY |
| Level of study |  ☒ Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☐ Autumn ☒ Spring |
| Year of study  | Third |
| Number of ECTS allocated | 6 |
| Name of lecturer / lecturers | Saša S. Ranđelović |
| Teaching mode | ☒Lectures ☐Group tutorials ☐ Individual tutorials☐ Laboratory work ☒ Project work ☐ Seminar☐ Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| ntroduce students to the basics of sfety engineering, its role in the modern business system that is permanentlyexposed to the risks and dangers that result in loss of small or a large scale. Ability mechanical engineer to review and identify the place of safety engineering business system improvement and minimzation fault with the support ofsoftware tools. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Theory:** 1. Introduction to safety engineering. 2. Risk, place and role in the business system, risk management in safety 3. Process model of the business system, 4. Specialized areas of safety, industrial safety 5. Corporate industrial safety 6. Safety software engineering 7. Safety technical system and design 8. Application of methods of risk analysis, 9. Risk analisys and crisis management 10. Decisions based on risk evoluation 11. The collection and recording errors, causes of errors and corrective measures 12. The criteria for the evaluation and value 13. Ccase studies and implemented solutions |
| **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** |  |
| **Practical teaching** | **40** | **Oral examination** | **30** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |