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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** |  |
| **GENERAL INFORMATION** |
| Study program  | **Engineering management** |
| Study Module (if applicable) |  |
| Course title | PRODUCTION PROCESS |
| Level of study | ☒ Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☐ Autumn ☒ Spring |
| Year of study  | Three |
| Number of ECTS allocated | 6 |
| Name of lecturer / lecturers | Saša Ranđelović |
| Teaching mode | ☒ Lectures ☐Group tutorials ☐ Individual tutorials☐ Laboratory work ☒ Project work ☐ Seminar☐ Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Introducing students with the basic production processes which are technologically based society as a precondition for overall economic growth. Analyzing production processes themselves, the necessary resources and mutual technology integration acquire the basic knowledge required for their management and monitoring**.** This subject students gives to the basic knowledge of the representative processes are usually represented in the local economy. Hereby, they receive a good basis for the analysis, management and monitoring of any smaller or larger real production process when future engineering practice. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Theory: 1.** Industrial and technological potential of a society. 2. The level of technological development and production perspective. 3. The existing, modern and future production processes. 4. The production process and the voice of the customer, market analysis. 5. Design sustainable production processes and their resources. 6. Selection of the key sub-processes, defining key parameters. 7. Production processes in the metal processing industry. 8. The manufacturing process of steel and aluminum. 9. Production processes of sheet metal. 10. Production processes of bulk forming when cold. Production processes of bulk forming in the hot state. 11. Production processes in the chemical industry, processing of polyethylene. 12. Other manufacturing processes, inspection and analysis. |
| **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** | **5** | **Written examination** | **20** |
| **Practical teaching** | **5** | **Oral examination** | **50** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |