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| **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Faculty of Mechanical Engineering |
| **GENERAL INFORMATION** |
| Study Program | **Mechanical Engineering** |
| Study Module (if applicable) | - |
| Course Title | Machine of intermittent (cyclical) transportation |
| Level of Study | ☒Bachelor | ☐ Master’s | ☐ Doctoral |
| Type of Course | ☐ Obligatory | ☒ Elective |
| Semester | ☒ Autumn | ☐ Spring |
| Year of Study | IV |
| Number of ECTS Allocated | 6 |
| Name of Lecturer/Lecturers | Miomir Lj. Jovanović |
| Teaching Mode | ☒ Lectures | ☐ Group tutorials | ☐ Individual tutorials |
| ☒ Laboratory work | ☒ Project work | ☐ Seminar |
| ☐ Distance learning | ☐ Blended learning | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** |
| *Acquiring of general knowledge of typical Transportation (Handling) machines for Load manipulations, constructive realisation, parts and Design. Production characteristics and worcking classes. Engineering Calculation and choice of main elements.* *Ability of students to create typical mechanical solution of operating crane mechanisms.*  |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** |
| *1. Introduce to the Intermitent Cicling Transportation machines and Industrial Cranes, 2. Classification, Main characteristics, Exploatations and Worcking groups. 3. Calculation and Choice of Operating machine elements (Rope, Pulley, Reductors, Electric motors, Drums, Joint&Brake, 4. Typical solutions and ISO standards, 5. Engineering solutions of Cranes, Terminals and Handling machines, 6. Dynamical calculation of power mechanisms and Behaviour,*  *7. Examples, 8. Instructions for Exam and Preparatory examination.*  |
| 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** | **(Three Colloquiums) 60** |
| **Practical Teaching** | **5** | **Final (oral) Examination** | **Max. 30**  |
| **Teaching Colloquia (projects)**  | **60** | **Overall Sum** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |