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| **UNIVERSITY OF NIŠ** | | | | | | | | |
| **Course Unit Descriptor** | | | **Faculty** | | Faculty of Mechanical Engineering | | | |
| **GENERAL INFORMATION** | | | | | | | | |
| Study Program | **Traffic engineering, transport and logistics** | | | | | | | |
| Study Module (if applicable) | - | | | | | | | |
| Course Title | Supply chain management | | | | | | | |
| Level of Study | ☐Bachelor | | | ☒ Master’s | | | | ☐ Doctoral |
| Type of Course | ☐ Obligatory | | | ☒ Elective | | | | |
| Semester | ☐ Autumn | | | ☒ Spring | | | | |
| Year of Study | I | | | | | | | |
| Number of ECTS Allocated | 6 | | | | | | | |
| Name of Lecturer/Lecturers | Miloš S. Stojković | | | | | | | |
| Teaching Mode | ☒ Lectures | | | ☐ Group tutorials | | | | ☐ Individual tutorials |
| ☒ Laboratory work | | | ☐ Project work | | | | ☐ Seminar |
| ☐ Distance learning | | | ☐ Blended learning | | | | ☐ Other |
| **Purpose and Overview (max. 5 sentences)** | | | | | | | | |
| *The aim of the course is to understanding the importance of methods of planning and supply chain management. Students are qualified to independently due to a medley of the supply chain model, based on the given market conditions and capacity.* | | | | | | | | |
| **Syllabus (brief outline and summary of topics, max. 10 sentences)** | | | | | | | | |
| 1) The strategic framework for the analysis of supply chains: What are the supply chains? The performance of supply chains. The processes in the supply chain; 2) Design of the supply chain: Distribution Network. Factors, frameworks and models in the design of the supply chain. The application of ICT in the design of the supply chain; 3) Planning of supply and demand in the supply chain: Forecast demand. Physical planning; 4) Planning and inventory management in the supply chain: Inventory turnover in supply chains. Safety stock. Optimal levels of product availability; 5) Design and planning of transport networks.  *Practical teaching:* Modeling of supply chains; Only individual work on case studies of supply chains; Models of site selection and allocation of capacity; Methods for forecasting demand; Use of linear programming for Physical Planning; Methods for planning and inventory management; Methods and factors of design of transport networks | | | | | | | | |
| **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** | | | **60 (depending on Teaching Colloquia)** | | |
| **Practical Teaching** | | **5** | **Oral Examination** | | | **30** | | |
| **Teaching Colloquia** | | **60** | **Overall Sum** | | | **100** | | |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | | | |