UNIVERSITY OF NIŠ

Course Unit Descriptor	Faculty	Faculty of Mechanical Engineering

GENERAL INFORMATION			
Study Program	Engineering management		
Study Module (if applicable)	-		
Course Title	Technical logistic		
Level of Study	☒Bachelor	☐ Master's	☐ Doctoral
Type of Course	☐ Obligatory	☒ Elective	
Semester	☐ Autumn	☒ Spring	
Year of Study	III		
Number of ECTS Allocated	7		
Name of Lecturer/Lecturers	Goran Petrović		
Teaching Mode	☒ Lectures	☐ Group tutorials	☐ Individual tutorials
	☐ Laboratory work	☒ Project work	☒ Seminar
	☐ Distance learning	☐ Blended learning	☐ Other

Purpose and Overview (max. 5 sentences)

Introduce students to the basics knowledge and experience to solve problems in the technical logistics and enterprises in the context of supply, transport, identification, communication, material handling, storage, production and distribution of goods.

Syllabus (brief outline and summary of topics, max. 10 sentences)

The structure, objectives and functions of the company logistic and organization. Logistics of supply, production, distribution and management of waste (recycling). Material flow logistic, components and costs of material flow, testing and planning of material flows. Communication and modelling of material flow, the basic models of material flow. Explanation of terms: materials, goods and cargo, types of materials and goods, packaging. Formation of logistic units, pallets, pallet package and container. Identification of goods, bar code, EAN system of transportation logistics, transponders. Purpose, classification and characteristics of internal transport, machines internal transport, types of drive wheels and overall calculation. Machines of cyclic transport and machines of continuous transport. Definitions, characteristics, types and a description of transport and reloading process. Vehicles, terminals, the collection and distribution of goods. Warehouses, the processes in the warehouse, storage technology and calculation. Definition and organization of picking, planning of material flow, Logistics Controlling, Kanban, Just-In-Tim and Just-In-Sequence strategies.

Language of Instruction

☒Serbian (complete course)	☐ English (complete course)	☐ Other _____ (complete course)
☐Serbian with English mentoring	☒Serbian with German mentoring	

Assessment Methods and Criteria

Pre exam Duties	Points	Final Exam	Points
Activity During Lectures	5	Written Examination	Max.60
Practical Teaching	5	Oral Examination	Max. 30 (depending on Teaching Colloquia)
Teaching Colloquia	60	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			