



UNIVERSITY OF NIŠ

Course Unit Descriptor**Faculty**

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Engineering Management		
Study Module (if applicable)	Transport and logistics management		
Course Title	Transportation technology		
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	Miomir Lj. Jovanović, Ljubislav T. Vasin		
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 most important characteristics of technology in all aspects of public transport and transporting sectors, as well as the internal technologies (industrial) transport. Knowledge provides understanding of technology, quality solutions of transportation tasks in practice and choice of adequate technologies of transport.

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

1. Transport and Transportation systems. 2. Technology of Classic transport land technology, inland-river, land- maritime and land-air classical transport. 3. Technology of Land Container transport. 4. Technology Road - rail transportation. Technology of different types of vehicles transport. 5 Technology of mainland - maritime transportation. RO-RO systems. Barges in water transport. 6. Transportation technology in air traffic. The transportation of ISO containers. 7. Technology pipe transport. Transportation of oil. Transportation of gas. Transportation of solid materials by fluid. Pneumatic transport. 8. Domestic (Industrial) Transportation: Transportation in the production system. Transportation in the warehouse. Transportation in mines. Equipment for transport and storage. Machines for transportation. 9. SPECIAL TRANSPORT: Transport of large and heavy loads. Transportation of hazardous materials. Biological systems (environmental) protection of the incident. Practical classes: laboratory exercises, seminars.

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
Three (3) teaching Colloquia (projects)	60	Overall Sum	100