

UNIVERSITY OF NIŠ

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Course Unit Descriptor		Faculty	Faculty of Me	of Mechanical Engineering			
SENERAL INFORMATION							
Study Program	Engineering management						
Study Module (if applicable)	Transport and logistics management						
Course Title	Urban transportation and logistics						
Level of Study	☐ Bachelor	⊠ Ma	☑ Master's ☐ Doctoral				
Type of Course	⊠ Obligator	y 🗆 Ele	□ Elective				
Semester	☐ Autumn	⊠ Sp	⊠ Spring				
Year of Study	I						
Number of ECTS Allocated	6						
Name of Lecturer/Lecturers	Dragoslav B. Janošević						
Teaching Mode	☑ Lectures☑ Laborator☑ Distance I	ry work 🛛 Pro	up tutorials ject work nded learning	☐ Individual tuto☑ Seminar☐ Other	orials		
Purpose and Overview (max. 5 sentences)							
Analysis of the functions, structure and methods of planning of transport and logistics in urban areas. After completion of the subject the students are able to solve real problem of optimal planning and optimisation of transport and logistics problems in urban areas.							
Syllabus (brief outline and summary of topics, max. 10 sentences)							
1) Basics of urban planning of the cometropolises; 2) CITY transport and information in urban areas. Strategonerators transport and Logistic sterminals. Urban supply chains; 4) algorithms for solving location proworld cities; 5) Urban environment Definition and classification of was characteristics; 6) Waste managem Transportation equipment and vehoration waste. Waste disposal; 7) optimization of routes. Methods and Ecological criteria for evaluation of and materials. Examples EKO transport and enterials.	d logistics: Degies and conce flows in urbar The urban loc blems. Optim cally (EKO) tra te and recycla nent: principle nicles - functio Designing op nd algorithms froutes basec	efinition of the funct epts of urban transp n areas. Structure of cation problems: Ele dization of urban tra ensport and logistics ables. Municipal wares, functions and ma enal parametric anal ditimal route: Analysi s of designing optime d on: characteristic r	ions of transpo fort and logistic transport and ments of urban nsport flows. Ex Principles of S ste - morpholog magement syst ysis and exploit s of influencing al routes. Multi numbers, the ec	rt and logistics, mass; 3) Transport and logistics flows. Logistics flows. Logistansport network amples CITY transfustainable Developical composition a ems of waste. Wastation properties. Tactors and construction optimization optimization criteria optimizations.	aterials, goods and d logistics flows: gistics centres and ks. These method sport and logistics pment - Agenda 21 and physical ste collection. Transfer stations. Traints in the on methods routes.		
Language of Instruction							
⊠Serbian (complete course)	 □ Engli	sh (complete cours	e) 🗆 Ot	:her	(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	50		
Practical Teaching	10	Oral Examination	Max. 35 (depending on Teaching Colloquia)		
Teaching Colloquia	35	Overall Sum	100		
*Final examination mark is formed in accordance with the Institutional documents					