UNIVERSITY OF NIŠ

Course Unit Descriptor	Faculty	Faculty of Mechanical Engineering

GENERAL INFORMATION			
Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	City logistics		
Level of Study	☐ Bachelor	☐ Master's	☒ Doctoral
Type of Course	☐ Obligatory	☒ Elective	
Semester	☐ Autumn	☒ Spring	
Year of Study	I		
Number of ECTS Allocated	2		
Name of Lecturer/Lecturers	Dragoslav B. Janošević		
Teaching Mode	☒ Lectures	☐ Group tutorials	☐ Individual tutorials
	☒ Laboratory work	☒ Project work	☒ Seminar
	☐ Distance learning	☐ Blended learning	☐ Other

Purpose and Overview (max. 5 sentences)

Analysis of the concepts and development of mathematical models and criteria for optimal planning of flows and city logistics systems. Ability to research, development and planning of logistics flows and city logistics systems.

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

1)Analysis of the function generators and of city logistic, 2) Systems and concepts of city logistic, 3) The methodology of defining the basic data of city logistic, 4) A traffic and urban transport flows, 5) Intelligent urban transport systems, 6) Logistics of the urban macro and micro distribution, 7) Urban distribution systems, 8)Urban waste management, 9) Dynamic modelling of urban logistics flows and systems, 10) Heuristic methods and algorithms for designing optimal urban transport routes, 11) Multi-criteria optimization of urban transport routes, 12)Heuristic methods and algorithms for solving location problems of city logistic.

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	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**			