



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	Storage and distribution systems		
Level of Study	<input type="checkbox"/> Bachelor	<input checked="" type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory	<input checked="" type="checkbox"/> Elective	
Semester	<input checked="" type="checkbox"/> Autumn	<input type="checkbox"/> Spring	
Year of Study	I		
Number of ECTS Allocated	7		
Name of Lecturer/Lecturers	Miomir Lj. Jovanović		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input checked="" type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input checked="" type="checkbox"/> Seminar
	<input type="checkbox"/> Distance learning	<input type="checkbox"/> Blended learning	<input type="checkbox"/> Other

Purpose and Overview (max. 5 sentences)

Introduction to theoretical and practical knowledge in the field of storage, commissioning and distribution system. After completion of the subject the students are able to apply the acquired knowledge in field of design, management and maintenance of warehouses and distributive centres.

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

1) The logistics system and warehousing. Storage system. The elements and processes in warehouses. 2) Storage system. The organization of the warehouse. Strategy of storage place allocation. Areas of warehouses optimization. 3) Warehouse location. Distribution systems in terms of warehouse location. Input values, methodology and models for warehouse location determination. 4) Storage technologies. Storage task, typical technologies, technological conception and technological solution of storage system. The description of some storage technologies. 5) Commissioning technology. Definition. Material flow, information flow and organization of commissioning in warehouses. 6) Technological design of the warehouse. The basics of modelling and warehouse simulation. Methodology for planning, alternative solutions, analysis and selection of warehouses. 7) Managing and optimization of inventories. Inventories in production and distribution. Mathematical models for calculation and optimization of inventories. 8) Process management in warehouses and distribution centres. 9) The basis of the distribution systems and distribution 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	0
Practical Teaching	5	Oral Examination	30
Teaching Colloquia	60	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			