



# 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	Maintenance of transportation 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	Dušan S. Stamenković, Goran S. Petrović		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input checked="" type="checkbox"/> Individual tutorials
	<input checked="" type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input type="checkbox"/> Seminar
	<input type="checkbox"/> Distance learning	<input type="checkbox"/> Blended learning	<input type="checkbox"/> Other

**Purpose and Overview (max. 5 sentences)**

Introduce students to the basic terms, concepts and procedures of mechanical systems maintenance. Students should to acquire the necessary theoretical and practical knowledge about the processes of monitoring and repair of mechanical assemblies.

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

1) Basic concepts and terms in the maintenance, 2) Maintenance types, 3) Maintenance development, 4) Corrective and preventive maintenance, 5) Failures, 6) Wear and corrosion, 7) Technical diagnostic, 8) Condition monitoring, 9) Preventive periodic inspections and repairs, 10) Basic operations in the process of repair, 11) Rail vehicle maintenance, 12) Road vehicle maintenance

**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	Max. 60 (depending on Teaching Colloquia)

Practical Teaching	10	Oral Examination	25
Teaching Colloquia	60	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			