	UNIVERSITY OF NIŠ	
Course Unit Descriptor	**Faculty**	Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	**Mechanical Engineering**
Study Module (if applicable)	-
Course Title	Maintenance of mechanical systems and vehicles
Level of Study	☒ Bachelor ☐ Master's ☐ Doctoral
Type of Course	☐ Obligatory ☒ Elective
Semester	☒ Autumn ☐ Spring
Year of Study	IV
Number of ECTS Allocated	6
Name of Lecturer/Lecturers	Dušan S. Stamenković, Goran S. Petrović
Teaching Mode	☒ Lectures ☐ Group tutorials ☒ Individual tutorials ☒ Laboratory work ☒ Project work ☐ Seminar ☐ Distance learning ☐ Blended learning ☐ 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	20	Oral Examination	15
Teaching Colloquia	60	Overall Sum	100

*Final examination mark is formed in accordance with the Institutional documents