![University of Niš logo]	# UNIVERSITY OF NIŠ	
Course Unit Descriptor	**Faculty**	Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	**Mechanical Engineering**
Study Module (if applicable)	-
Course Title	Machine of intermittent (cyclical) transportation
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	Miomir Lj. Jovanović
Teaching Mode	☒ Lectures ☐ Group tutorials ☐ Individual tutorials ☒ Laboratory work ☒ Project work ☐ Seminar ☐ Distance learning ☐ Blended learning ☐ Other

Purpose and Overview (max. 5 sentences)

Acquiring of general knowledge of typical Transportation (Handling) machines for Load manipulations, constructive realisation, parts and Design. Production characteristics and worcking classes. Engineering Calculation and choice of main elements. Ability of students to create typical mechanical solution of operating crane mechanisms.

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

1. Introduce to the Intermitent Cicling Transportation machines and Industrial Cranes, 2. Classification, Main characteristics, Exploatations and Worcking groups. 3. Calculation and Choice of Operating machine elements (Rope, Pulley, Reductors, Electric motors, Drums, Joint&Brake, 4. Typical solutions and ISO standards, 5. Engineering solutions of Cranes, Terminals and Handling machines, 6. Dynamical calculation of power mechanisms and Behaviour, 7. Examples, 8. Instructions for Exam and Preparatory examination.

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**	**(Three Colloquiums) 60**

Practical Teaching	5	Final (oral) Examination	Max. 30
Teaching Colloquia (projects)	60	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			