



UNIVERSITY OF NIŠ

Course Unit Descriptor**Faculty**

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering
Study Module (if applicable)	-
Course Title	Modern Concepts, Methods and Tools of Management
Level of Study	<input type="checkbox"/> Bachelor <input type="checkbox"/> Master's <input checked="" type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory <input checked="" type="checkbox"/> Elective
Semester	<input type="checkbox"/> Autumn <input checked="" type="checkbox"/> Spring
Year of Study	II
Number of ECTS Allocated	10
Name of Lecturer/Lecturers	Pedja M. Milosavljević, Andjela D. Lazarević
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)

Introduce students to modern concepts, methods and tools of management that managers use in condition of global competition. Introduction to examples from manufacturing and service organizations, which allows better understanding of the importance of management and introduction to advanced techniques and technologies for decision making and problem solving. Mastering of the current knowledge in the field of management and students ability to contribute to the improvement of existing processes and developing new processes, as well as willingness to apply acquired knowledge in engineering activities and theoretical work. Students are trained in process management and decision-making, using modern management methods and tools.

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

1) The state in the field of management and directions for future development, 2) Models of Excellence, 3) Management of Processes, 4) Measurement of process performance, 5) Integrated Management Systems, 6) Quality Tools, 7) Tools of Management, 8) Lean Concept, 9) Leadership, 10) Kaizen Philosophy, 11) Six Sigma Methods, 12) Advanced tools and methods for process analysis, 13) Management of maintenance systems.

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	10	Written Examination	
Practical Teaching		Oral Examination	Max. 60 (depending on Teaching Colloquia)
Teaching Colloquia	30	Overall Sum	100

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