



# UNIVERSITY OF NIŠ

**Course Unit Descriptor**

**Faculty**

Faculty of Mechanical Engineering

## GENERAL INFORMATION

Study Program	<b>Mechanical Engineering</b>		
Study Module (if applicable)	-		
Course Title	Basics of engineering management		
Level of Study	<input checked="" type="checkbox"/> Bachelor	<input 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	II		
Number of ECTS Allocated	4		
Name of Lecturer/Lecturers	Pedja M. Milosavljević		
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 the basic function of management and modern tools and methods used by managers in global competitive environment. Getting basic knowledge in the field of management, relating to planning, organizing, staffing, leadership, communication, work motivation, decision making and control. Introduction to examples from manufacturing and other organizations, which allows better understanding of the importance of engineering management and introduction of new technologies for decision making and problem solving. Mastering of the knowledge in the field of management and ability of students to participate in the process of management, as well as the willingness to apply acquired knowledge in engineering activities and theoretical work. Students would be trained for managing the processes and for making decisions, using modern methods and tools.*

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

1) Concept, development, importance and principles of management, 2) Planning as the phase of management, 3) Organizing as the phase of management, 4) Personnel policy as the phase of management, 5) Leadership as the phase of management, 6) Communication as the phase of management, 7) Work motivation as the phase of management, 8) Decision making as the phase of management, 9) Basics of marketing, 10) Quality management, 11) Strategic management, 12) Lean principles, 13) Six Sigma methods, 14) Quality tools, 15) Kaizen philosophy.

## Language of Instruction

Serbian (complete course)       English (complete course)       Other \_\_\_\_\_ (complete course)

Serbian with English mentoring       Serbian with other mentoring \_\_\_\_\_

## Assessment Methods and Criteria

<b>Pre exam Duties</b>	<b>Points</b>	<b>Final Exam</b>	<b>Points</b>
<b>Activity During Lectures</b>	<b>10</b>	<b>Written Examination</b>	<b>0</b>
<b>Practical Teaching</b>		<b>Oral Examination</b>	<b>Max. 60 (depending on Teaching Colloquia)</b>
<b>Teaching Colloquia</b>	<b>30</b>	<b>Overall Sum</b>	<b>100</b>
<b>*Final examination mark is formed in accordance with the Institutional documents</b>			