UNIVERSITY OF NIŠ

Course Unit Descriptor	Faculty	

GENERAL INFORMATION

Study program	BASIC ACADEMIC STUDIES Mechanical engineering
Study Module (if applicable)	
Course title	B.7.6-E.14-8 Programming and Computations application
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	Aca D. Micic
Teaching mode	☑Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other

PURPOSE AND OVERVIEW (max. 5 sentences)

Mastering software agents for monitoring and process control, design of management and control processes based on a personal computer.

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

- Industrial process control application of higher programming languages
- Assembler.
- C C ++.
- Java.
- Development and design of program management and monitoring of mechatronic processes.
- Control and monitoring of process using Matlab.
- Control and monitoring process using the package Labwiev.
- Instrumentation systems based on PC

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	50
Teaching colloquia	10+10+10+10	OVERALL SUM	100

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