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

GENERAL INFORMATION

Study Program	**Mechanical Engineering**
Study Module (if applicable)	-
Course Title	Object oriented programming
Level of Study	☒ Bachelor ☐ Master's ☐ Doctoral
Type of Course	☐ Obligatory ☒ Elective
Semester	☒ Autumn ☐ Spring
Year of Study	III
Number of ECTS Allocated	6
Name of Lecturer/Lecturers	Dragan Mišić
Teaching Mode	☒ Lectures ☐ Group tutorials ☐ Individual tutorials ☒ Laboratory work ☒ Project work ☒ Seminar ☐ Distance learning ☐ Blended learning ☐ Other

Purpose and Overview (max. 5 sentences)

The goal of this course is to provide students with knowledge of basic programming concepts. For introduction of these concepts, object-oriented programming language Java will be used. After successful completion of this course, students will know programming basics and they will be able to write simple programmes in Java programming language. They will further be able to read and create algorithms and recognize the risk included in creation and purchase of software.

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

1)Introduction to programming languages. 2) Object-oriented programming. 3) Introduction to the Java programming language. 4) Variables. 5) Control structures. Loops. Arrays. Classes and objects. 6) Class libraries. 7) Algorithms and solving problems. 8) Risks included in software creation.

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**	**40**

Practical Teaching		Oral Examination	
Teaching Colloquia	50	Overall Sum	100
*Final examination mark is formed in accordance with the Institutional documents			