UNIVERSITY OF NIŠ

Course Unit Descriptor	**Faculty**	Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	**Mechanical Engineering**
Study Module (if applicable)	-
Course Title	CNC programming
Level of Study	☒ Bachelor ☐ Master's ☐ Doctoral
Type of Course	☐ Obligatory ☒ Elective
Semester	☐ Autumn ☒ Spring
Year of Study	IV
Number of ECTS Allocated	8
Name of Lecturer/Lecturers	Miodrag T. Manić,
Teaching Mode	☒ Lectures ☐ Group tutorials ☐ Individual tutorials ☒ Laboratory work ☒ Project work ☒ Seminar ☐ Distance learning ☐ Blended learning ☐ Other

Purpose and Overview (max. 5 sentences)

Acquiring knowledge of CNC programming

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

1) The terms and objectives of CNC, 2) Technological preparation for CNC programming, 3) Workspaces of CNC , coordinate systems of CNC machines, 4) Design of process plan for CNC, 5) Tools selection, calculation of the machining data, 6) Methods of CNC programming, 7) Manual CNC programming, 8) Shop floor programming, 9)CAM systems, 10) Integrated CAD / CAPP / CAM systems in production processes.

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**	**20**

Practical Teaching	10	Oral Examination	20
Teaching Colloquia	40	Overall Sum	100

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