



UNIVERSITY OF NIŠ

Course Unit Descriptor**Faculty**

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering
Study Module (if applicable)	-
Course Title	Advanced production technologies
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	I
Number of ECTS Allocated	10
Name of Lecturer/Lecturers	Miroslav R. Radovanović, Miodrag T. Manić
Teaching Mode	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Group tutorials <input type="checkbox"/> Individual tutorials <input type="checkbox"/> Laboratory work <input checked="" type="checkbox"/> Project work <input 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 advanced production technologies. The course is targeting both the theoretical and practical aspects of advanced production technologies.

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

1) Contemporary trends in machining, 2) High speed machining, 3) Machining with large chip cross sections, 4) Machining of materials in a heated condition. Machining of materials in the cooled state. Machining of hard materials. Machining of soft materials, 5) Vibratory machining, 6) Hybrid machining, 7) Turning-milling, 8) Machining with high pressure coolant, 9) CAM in machining.

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		Written Examination	100

Practical Teaching		Oral Examination	
Teaching Colloquia		Overall Sum	100

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