



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	Modelling and simulation of machining equipment		
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	Dragan I. Temeljkovski, Dragoljub B. Lazarević		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input checked="" type="checkbox"/> Laboratory work	<input 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)

To gain the knowledge referring to different types of machining equipment, tools, machines and methods for modelling and simulation of machining equipment.

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

Machining equipment, tools and machinery. Basics of modelling machining equipment. Basic simulation of machining equipment. Development of the mathematical model and its simulation. Analysis of the simulation results. Analysis of the real machining equipment. Development of the algorithms for solving computational models. Analysis and verification of the simulation results.

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	20	Written Examination	0

Practical Teaching	0	Oral Examination	20
Teaching Colloquia	60	Overall Sum	100

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