



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Manufacturing & Information Technologies		
Study Module (if applicable)	-		
Course Title	Machine tools		
Level of Study	<input type="checkbox"/> Bachelor	<input checked="" type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory	<input checked="" type="checkbox"/> Elective	
Semester	<input checked="" type="checkbox"/> Autumn	<input type="checkbox"/> Spring	
Year of Study	I		
Number of ECTS Allocated	6		
Name of Lecturer/Lecturers	Dragan I. Temeljkovski		
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)

The aim is to provide students with theoretical and practical basis, the principles and characteristics of machine tools. Students gain knowledge of machine tools that they need for the selection, operation and maintenance.

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

1. Basic concepts and principles of work and distribution of machines. 2. The basic conceptual variants, functional and perturbation systems. 3. The load machine operation, accuracy, productivity and efficiency. 4. Materials, bearing structure. 5. The drive and transmission system. 6. Keeping moving elements. 7. Control Systems MT. 8 Constructive solutions MT. 9. Testing and maintenance MT. 10. numerically controlled MT

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	20

Teaching Colloquia	70	Overall Sum	100
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*Final examination mark is formed in accordance with the Institutional documents