



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	Selected topics in polymer processing		
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 checked="" type="checkbox"/> Autumn	<input type="checkbox"/> Spring	
Year of Study	II		
Number of ECTS Allocated	10		
Name of Lecturer/Lecturers	Dragoljub B.Lazarevic, 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)

To gain the knowledge referring to the modern polymer processing and to develop students' ability to select the appropriate method for polymer processing, as well as to select the machines and tools for the polymer processing.

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

Modern materials (self-healing materials). Standard methods of polymer processing. Modern methods of polymer processing. Construction of the polymer-elements. ☒Tools for injection and extrusion of the polymer-parts. Computer aided design and manufacturing of polymers (CAD/CAM). ☒Design and production of the rubber parts.☒ Modern machines for polymer processing.☒ New approaches to the design of polymer processing machines (machines for injection moulding, blow moulding, extrusion, rubber processing). CE mark for the polymer processing machines.

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	0

Practical Teaching	0	Oral Examination	30
Teaching Colloquia	60	Overall Sum	100

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