

Course Unit Descriptor

<b>Study Programme:</b> Production Engineering			
<b>Course Unit Title:</b> Machines for Processing by Deforming			
<b>Course Unit Code:</b> P303			
<b>Name of Lecturer(s):</b> Milutinović Mladomir, Vilotić Dragiša			
<b>Type and Level of Studies:</b> Bachelor level			
<b>Course Status (compulsory/elective):</b> compulsory			
<b>Semester (winter/summer):</b> Winter/Summer			
<b>Language of instruction:</b> English			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face			
<b>Number of ECTS Allocated:</b> 5			
<b>Prerequisites:</b> None			
<b>Course Aims:</b> The goal of this course is to introduce technical - technological characteristics of metal forming machine tools, their structure and principles of work, as well as introduction of basic types of metal forming tools.			
<b>Learning Outcomes:</b> Student will be prepared to select adequate machine for specific part and metal forming technique.			
<b>Syllabus:</b> Processing system in metal forming, the role of machines and tools. Classification of machines in metal forming. Performance of a machine in metal forming. The methodology of choice for a given technology. Mechanical presses, types, properties, applications in sheet metal forming and bulk metal forming, technical and technological characteristics. Hydraulic presses, types, features, application, technical and technological characteristics. Hammers, types, features, application, technical and technological characteristics. Slots for metal forming, structure and application.			
<b>Required Reading:</b> Relevant literature in English TBD			
<b>Weekly Contact Hours:</b>		<b>Lectures:</b>	<b>Practical work:</b>
<b>Teaching Methods:</b> Oral presentation in lectures accompanied with appropriate images, diagrams and schemes projected aided by PC computers. Auditory practical classes and laboratory practical classes in testing tables for IC engines testing with appropriate laboratory equipment			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Group Assignment		Examination Assignment	
Exercises			
Test			
Test			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			