

Study program: Industrial Engineering			
Course title: Manufacturing Tehnologies II			
Professor/assistant: PhD Tomislav, R, Marinković/ Petar Đekić			
Type of course: compulsory			
ECTS credits: 6			
Pre-requisites:			
Aims of the course: Acquiring basic knowledge of: metal forming technology, distinction between the basic elements of individual production technologies, usage of the proper choice of technological parameters, analysis of the modern manufacturing systems, machinery and devices.			
Learning outcomes: Student should be able to: define specific processing procedures and appropriate technological parameters, basic parameters of processing of simple practical examples, master basic principles of operation of simple tools, machinery and equipment, and do independent term papers where they implement the acquired knowledge.			
Syllabus			
<i>Theoretical part</i> Plastic deformation processing: cutting shears, bending, punching and stamping, deep drawing, forging, rolling, extrusion.			
<i>Practical part:</i> Implementation of knowledge through seminar papers and checks through tests.			
Literature 1. B. Musafija, Obrada metala plastičnom deformacijom, Svijetlost, Sarajevo, 1979. 2. Katalozi proizvođača mašina i alata.			
Number of active classes			Other forms of teaching:
Lectures: 2	Practical classes: 2	Research work:	
Teaching methods Combined, interactive approach with practical problem solving.			
Grading system (maximum 100 points), grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.			
Pre-exam obligations	points	Final exam	points
activity during theoretical lectures	5	written exam	30
practical training	5	oral exam	
colloquium(s)/seminar papers	40+20		
Sum	70	Sum	30