C O U R S E G U I D E – s h o r t f o r m

Academic year 2024 -2025

Course name[1]	**DESIGN OF PLASTIC DEFORMATION PROCESSING TECHNOLOGIES (2)**					Discipline code		4 IPM 07	
Course type[2]	**DS**	Category[3]	**DI**	Year of study	4	Semester	**8**	Number of credit points	**5**

Faculty	Material Science and Engineering	Number of teaching and learning hours[4]					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	IPM	**125**	**28**	**-**	**42**	**28**	**27**

Pre-requisites from the curriculum[5]	Compulsory	-
	Recommended	-

General objective [6]	Hot metal processing by conventional die-molding / molding technologies, on specific machines and technological design for open / burnt molding processes, in conditions of high economic efficiency.
Specific objectives[7]	Knowledge of forged materials, analysis of the concepts and methods of the forging process flows in the mold / die technology and design, in accordance with the quality, environmental and labor protection.
Course description[8]	General. Stamping hammers, presses on rollers. Tools for forging molded. Deburring and punching molded parts. Drop forging equipment. Technological documentation in the forging die.

Assessment		Schedule[9]		Percentage of the final grade (minimum grade)[10]
A. Final assessment form [11] exam	Class tests along the semester	%	week	50 % (minimum 5)
	Home works	%		
	Other activities	%	week	
	Examination procedures and conditions: 1. Subject with open questions, working conditions oral, percent 50 %; 2. Subject with open questions, working conditions oral, percent 50 %; 3. -, working conditions -, percent %	100 % (minimum 5)	exam perio	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			30 % (minimum 5)
D. Project	Activity during project			20 % (minimum 5)
Course organizer	**Lecturer Ph.D. Eng. Manuela-Cristina PERJU**			
Teaching assistants	**Lecturer Ph.D. Eng. Manuela-Cristina PERJU**			

[1]Course name from the curriculum
[2] DF – fundamental, DD – in the field, DS – specialty, DC – complementary (from the curriculum)
[3] DI – imposed, DO –optional, DL – facultative (from the curriculum)
[4] Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)
[5] According to 4.1 – Pre-requisites - from the Course guide – extended form
[6] According to 7.1 from the Course guide – extended form
[7] According to 7.2 from the Course guide – extended form
[8] Short description of the course, according to point 8 from the Course guide – extended form

[9] For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period
[10] A minimum grade might be imposed for some assessment stages
[11] Exam or colloquium