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 (1)**					Discipline code		4 IPM 06	
Course type[2]	**DS**	Category[3]	**DI**	Year of study	4	Semester	**7**	Number of credit points	**4**

Faculty	Material Science and Engineering	Number of teaching and learning hours[4]					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	IPM	**100**	**28**	**-**	**14**	**-**	**58**

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

General objective [6]	Hot metal materials processing technologies conventional forging free (discharge, stretching, drilling, twisting), the specific equipment.
Specific objectives[7]	Knowledge of forged materials, analyze concepts and specific methods of forging free technology flows (discharge, stretching, drilling, twisting) the specific equipment in accordance with standards of quality, environmental and labor protection.
Course description[8]	General. Materials forged. Cutting. Heating and cooling of forged. Forjability metals and alloys. Classification of plastic deformation depending on temperature. Technologies forging. Tools for forging. Forging equipment. Subsequent operations forging free.

Assessment		Schedule[9]		Percentage of the final grade (minimum grade)[10]
A. Final assessment form [11] colloquium	Class tests along the semester	%	week	60 % (minimum 5)
	Home works	%		
	Other activities	%	week	
	Examination procedures and conditions: 1. Subject with open questions, working conditions oral, percent 100 %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	100 % (minimum 5)	week 14	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			40 % (minimum 5)
D. Project	Activity during project			% (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