

COURSE GUIDE – short form

Academic year 2021 - 2022

Course name ¹	TECHNOLOGIES OF PROCESSING BY PLASTIC DEFORMATION					Discipline code		3 EPI 02	
Course type ²	DS	Category ³	DI	Year of study	3	Semester	5	Number of credit points	5

Faculty	Material Science and Engineering					Number of teaching and learning hours ⁴					
Field	Mechanical Engineering					Total	L	T	LB	P	IS
Specialization	EPI					125	28	-	28	-	69

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Knowledge of theoretical bases of plastic deformation processing; Acquiring the main technologies for processing by plastic deformation
Specific objectives ⁷	Ability to make decisions in defined situations and accountability for their decisions and actions; Skills to use information technology, written and oral communication skills, including a foreign language movement international coordination skills team work
Course description ⁸	Stress state, strain state, plasticity, resistance to deformation; Laws of plastic deformation; Plasticity criteria; Technologies of processing by rolling, forging, die forging, extrusion and drawing; Unconventional technologies of processing by plastic deformation

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ exam	Class tests along the semester	20 %	week 8	80 % (minimum 5)
	Home works	%		
	Other activities	%	week	
	Examination procedures and conditions: 1. Subject with closed questions, working conditions computer, percent 100 %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	80 % (minimum 5)	exam period	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			20 % (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	Professor, Ph.D., Eng. Dorin LUCA			
Teaching assistants	Professor, Ph.D., Eng. Dorin LUCA			

¹Course 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