

COURSE GUIDE – short form

Academic year 2021 - 2022

Course name ¹	SIMULATION IN THE THEORY OF ELASTICITY AND PLASTICITY					Discipline code		3 EPI 14	
Course type ²	DS	Category ³	DI	Year of study	3	Semester	7	Number of credit points	4

Faculty	Material Science and Engineering					Number of teaching and learning hours ⁴					
Field	Mechanical Engineering					Total	L	T	LB	P	IS
Specialization	EPI						-	-	-	-	42

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Adaptation of the calculation methods used in civil, industrial and agricultural constructions to their behavioral characteristics.
Specific objectives ⁷	Understanding the formulations in displacements and tensions for solving problems of Elasticity Theory. Abstaining from Simplifying, Limiting Material Resistance
Course description ⁸	The acquired skills will be required for employees working in the design firms.

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹	Class tests along the semester	20 %	week 6	50 % (minimum 5)
	Home works	%		
	Other activities	30 %	week	
	Examination procedures and conditions: 1. -, working conditions -, percent %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	%		
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			% (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	Lecturer Ph.D. eng. Viorel GRANCEA			
Teaching assistants	Assistent Ph.D. eng. Simona BALTATU			

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