

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Technical Drawing and Infographics 2					Course code	1.EPI.12.DF		
Course type ²	DF	Category ³	DI	Year of study	1	Semester	2	Number of credit points	6

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Mechanical engineering	Total	L	T	LB	P	IS
Specialization	Industrial process equipments	150	28	-	42	-	80

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	Using the computer basic features and Windows operating system.

General objective ⁶	Applying the basic principles and methods of technical design in computer aided design.
Specific objectives ⁷	<ul style="list-style-type: none"> • Knowledge of principles of and basics of computer aided design editing and graphics processing for engineering objects. • Fundamentals of mathematical modeling and graphical representation of geometric objects. • Basic concepts of geometric wireframe, surfaces and solids modeling. • Using computer engineering graphics software.
Course description ⁸	<p>Course: Geometric Transformations, Object Visualization, Solid and Surface Modeling and Wireframe Modeling;</p> <p>Laboratory works: Drawing objects, Editing a drawing, Projecting three-dimensional models, parts and mechanical assemblies.</p>

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	20%	Week 7	70%
	Home works	20%	Week 10	
	Other activities	-	-	
	Examination procedures and conditions: 1. Exam ticket with two subjects from the course; Oral exam.	60%	Exam period	
B. Seminar	Activity during seminar			-
C. Laboratory	Activity during laboratory			30%
D. Project	Activity during project			-

Course organizer	Associate professor, phd, eng. Axinte Mihai	
Teaching assistant	Assist. phd. eng. Roman Ana-Maria, Assist. phd. eng. Chereșeș Elena-Ionela	

¹Course name from the curriculum

² DF – fundamental, DID – 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