

# COURSE GUIDE – short form

Academic year 2024-2025

Course name <sup>1</sup>	<b>Technical Drawing and Infographics 2</b>					Course code	1.IMAT.12.DF			
Course type <sup>2</sup>	DF	Category <sup>3</sup>	DI	Year of study	1	Semester	2	Number of credit points	6	

Faculty	Material Science and Engineering	Number of teaching and learning hours <sup>4</sup>					
Field	Materials engineering	Total	L	T	LB	P	IS
Specialization	Materials science	150	28	-	42	-	80

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

General objective <sup>6</sup>	Applying the basic principles and methods of technical design in computer aided design.
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>• Knowledge of principles of and basics of computer aided design editing and graphics processing for engineering objects.</li> <li>• Fundamentals of mathematical modeling and graphical representation of geometric objects.</li> <li>• Basic concepts of geometric wireframe, surfaces and solids modeling.</li> <li>• Using computer engineering graphics software.</li> </ul>
Course description <sup>8</sup>	<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 <sup>9</sup>	Percentage in the final grade (minimum grade) <sup>10</sup>
A. Final assessment form <sup>11</sup> :	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 assistants	Assist. phd. eng. Roman Ana-Maria

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<sup>1</sup>Course name from the curriculum

<sup>2</sup> DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

<sup>3</sup> DI – imposed, DO –optional, DL – facultative (from the curriculum)

<sup>4</sup> 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)

<sup>5</sup> According to 4.1 – Pre-requisites - from the Course guide – extended form

<sup>6</sup> According to 7.1 from the Course guide – extended form

<sup>7</sup> According to 7.2 from the Course guide – extended form

<sup>8</sup> Short description of the course, according to point 8 from the Course guide – extended form

<sup>9</sup> For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

<sup>10</sup> A minimum grade might be imposed for some assessment stages

<sup>11</sup> Exam or colloquium