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]	**PCLP 3**					Course code		2.IMAT.04.DF	
Course type[2]	**DF**	Category[3]	**DI**	Year of study	**2**	Semester	**3**	Number of credit points	**6**

Faculty	Materials Science and Engineering	Number of teaching and learning hours[4]					
Field	Material engineering	Total	L	T	LB	P	IS
Specialization	IPM	**150**	**42**	**-**	**28**	**-**	**80**

Pre-requisites from the curriculum[5]	Compulsory	
	Recommended	

General objective [6]	• Mastering the matrix-working mode, specific to the Matlab application. • Writing functions and M files in Matlab. • Mastering the use of the main predefined functions in Matlab.
Specific objectives[7]	• Modeling complex problems and solving them using the facilities offered by Matlab. • Learn how to create a graphical interface in Matlab. • Analysis of various toolboxes in Matlab and their use for solving practical problems. • The use of specific web design tools. • To develop design and programming skills specific to interactive sites.
Course description[8]	• MATLAB programming environment, graphical interface, general commands, toolboxes. Variables, operands, operators, expressions; • Control instructions (if, elseif, switch-case, for, while). • Predefined functions in Matlab. Script files. Function files. Control functions. 2D and 3D graphics. • HTML language. Save, view, and edit an HTML document. HTML document structure. Text formatting. Tables. • Multimedia on the web page. Image attributes. Sounds on the web page. Video sequences on the web page.

Assessment		Schedule[9]	Percentage in the final grade(minimum grade)[10]
A. Final assessment form[11]: Colloquium	Class tests along the semester	0 %		50%
	Home works	0 %	
	Other activities	0 %	
	Examination procedures and conditions: Practical examination	100%	week 14
B. Seminar	Activity during seminar		0%
C. Laboratory	Activity during laboratory		50%
D. Project	Activity during project		0%

Course organizer	Lecturer EngD Bogdan PRICOP	
Teaching assistants	Lecturer EngD Bogdan PRICOP	

[1]Course 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