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]	**AUTOMATION OF METAIIURGICAL PROCESSES**					Discipline code		3 IPM 14	
Course type[2]	**DS**	Category[3]	**DO**	Year of study	3	Semester	**6**	Number of credit points	**2**

Faculty	Material Science and Engineering	Number of teaching and learning hours[4]					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	IPM	**50**	**28**	**-**	**14**	**-**	**8**

Pre-requisites from the curriculum[5]	Compulsory	
	Recommended	

General objective [6]	Students' acquiring of the theoretical and practical knowledge related to the automation elements and diagrams used in the automatized installations
Specific objectives[7]	• Application of knowledge, principles and methods studied and their association to the graphic presentations to solve tasks specific to the field • Defining and describing the technical principles and methods of the field by using graphic representations to solve specific tasks .
Course description[8]	Course material: presentation of the basic elements of an automated system, definition and presentation of some automatic adjustment systems using electrical, pneumatic and hydraulic equipment Lab work: theoretical applications in terms of recognizing and studying the automation elements and automatized installations

Assessment		Schedule[9]		Percentage of the final grade (minimum grade)[10]
A. Final assessment form [11] colloquium	Class tests along the semester			50 % (minimum 5)
	Home works			
	Other activities	%	week	
	Examination procedures and conditions: 1. -, working conditions oral, percent 100 %;	100 % (minimum 5)	week 14	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			50 % (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	**Lecturer Ph.D. Eng. Achiței Dragoș**			
Teaching assistants	**Lecturer Ph.D. Eng. Achiței Dragoș**			

[1]Course 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