

COURSE GUIDE – short form

Academic year 2021 - 2022

Course name ¹	AUTOMATION OF METALLURGICAL 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					42	28	-	14	-	

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	<ul style="list-style-type: none"> • 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	<p>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</p> <p>Lab work: theoretical applications in terms of recognizing and studying the automation elements and automatized installations</p>

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ colloquium	Class tests along the semester	1 %	week 6	75 % (minimum 5)
	Home works	25 %		
	Other activities	%	week	
	Examination procedures and conditions: 1. -, working conditions -, percent %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	75 % (minimum 5)	week 14	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			25 % (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	Lecturer Ph.D. Eng. Carmen NEJNERU			
Teaching assistants	Lecturer Ph.D. Eng. Carmen NEJNERU			

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