

COURSE GUIDE – short form

Academic year 2017-2018

Course name ¹	INDUSTRIAL PROCESSES AUTOMATION					Course code	4EPI09DS			
Course type ²	DS	Category ³	DO	Year of study	IV	Semester	I	Number of credit points	4	

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Mechanical Engineering	Total	L	T	LB	P	IS
Specialization	Equipment for industrial processing	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
Continuous assessment	Class tests along the semester	-	20%
	Activity during tutorials/laboratory works/projects/practical work	Continuous assessment	20%
	Assignments	-	%
Final assessment	Final assessment form ¹¹	colloquium	60%
	Examination procedures and conditions: 1. Assessment E; tasks: grid solving; working conditions: written test percent of the final grade %		

Course organizer	Professor PhD Ioan RUSU
Teaching assistants	Professor PhD Ioan RUSU

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