

COURSE GUIDE – short form

Academic year 2018 - 2019

Course name ¹	MECHATRONICS AND ROBOTICS ELEMENTS					Discipline code		4 EPI 10	
Course type ²	DS	Category ³	DO	Year of study	4	Semester	7	Number of credit points	3

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Mechanical Engineering	Total	L	T	LB	P	IS
Specialization	EPI	42	28	-	14	-	-

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	-

General objective ⁶	Knowledge about the developing of the metalurgical industrial robots and their usage in processes automation.
Specific objectives ⁷	Industrial robots and equipments used in in the field of the hot processes.
Course description ⁸	Automatic adjusment systems, industrial robots, prehession equipments, lines and calibration.

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ exam	Class tests along the semester	10 %	week 8	80 % (minimum 5)
	Home works	10 %		
	Other activities	- %	week	
	Examination procedures and conditions: 1. Subject with open questions, working conditions oral, percent 60 %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	60 % (minimum 5)	exam period	
B. Seminar	Activity during seminar			- % (minimum 5)
C. Laboratory	Acttivity during laboratory			20 % (minimum 5)
D. Project	Activity during project			- % (minimum 5)
Course organizer	Lecturer Phd.Eng.ELENA CHIRILA			
Teaching assistants	Lecturer Phd.Eng.ELENA CHIRILA			

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