

COURSE GUIDE – short form

Academic year 2018-2019

Course name ¹	AUTOMATIONS					Course code	2SM16DD		
Course type ²	DID	Category ³	DI	Year of study	II	Semester	II	Number of credit points	4

Faculty	Material Science and Engineering				Number of teaching and learning hours ⁴					
Field	Material science				Total	L	T	LB	P	IS
Specialization	University degree				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>

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ : Exam / Colloquium	Class tests along the semester	20%		% (minimum 5)
	Home works	%		
	Other activities	%		
	Examination procedures and conditions: Probe 1: working conditions; percent of the final grade 30 %; Probe 2: working conditions; percent of the final grade 30 %; Probe 3: working conditions; percent of the final grade 30 %;	50 % (minimum 5)		
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			30% (minimum 5)
D. Project	Activity during project			% (minimum 5)

Course organizer	Assistant Professor PhD Maria Baciú
------------------	-------------------------------------

Teaching assistants	Assistant Professor PhD Maria Baciú	
---------------------	-------------------------------------	--

¹Course name from the curriculum

²DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

³DI – imposed, DO –optional, DL – facultative (from the curriculum)

⁴Points 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)

⁵According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶According to 7.1 from the Course guide – extended form

⁷According to 7.2 from the Course guide – extended form

⁸Short description of the course, according to point 8 from the Course guide – extended form

⁹For 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