

COURSE GUIDE – short form

Academic year 2014-2015

Course name ¹	AUXILIARY SYSTEMS IN ROBOTICS					Course code	RBT.415.D O.DS-1		
Course type ²	DS	Category ³	DO	Year of study	4	Semester	8	Number of credit points	5

Faculty	MECHANICS	Number of teaching and learning hours ⁴						
Field	MECHATRONICS AND ROBOTICS	Total	L	T	LB	P	IS	
Specialization	BACHELOR - ROBOTICS	42	28	-	-	28		

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	General knowing about constructive, functional and designing fundamental principles of the auxiliary systems components and also the ways of their construction.
Specific objectives ⁷	<ul style="list-style-type: none"> • Generalities about auxiliary systems in robotics, • Functions of auxiliary systems in robotics, • Catching/Extracing mechanisms, from store, • Ordering/Dosing mechanism, • Transfer systems, • Separating/Gathering mechanisms, • Measurement and control systems, • Conveyers
Course description ⁸	Generalities about auxiliary systems in robotics, Functions of auxiliary systems in robotics, Catching/Extracing mechanisms, from store, Ordering/Dosing mechanism, Transfer systems, Separating/Gathering mechanisms, Measurement and control systems, Conveyers

Assessment			Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
Continuous assessment	Class tests along the semester			-
	Activity during tutorials/laboratory works/projects/practical work		Week 1-14	50%
	Assignments			-
Final assessment	Final assessment form ¹¹	Exam	Exam period	50%
	Examination procedures and conditions: 1. Exam with three subjects from the curriculum, time 2h, percent of the final grade 50% 2. Applications evaluation, percent of the final grade 50%			

Course organizer	S.I.dr.ing. Buium Florentin	
Teaching assistants	S.I.dr.ing. Buium Florentin	

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