

No.	Code	Course unit title	Year I										Examination form			No.hrs/course				ECTS													
			Sem 1 (14 wks)					Sem 2 (14 wks).					E	C	V	Tot	C	Appl	Ind. St.	1	2												
			C	S	L	P	Re/Pr	C	S	L	P	Re/Pr																					
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21												
1	32300110	Programming languages of industrial robots	2		2								E(1)			100	28	28	44	4													
2	32300210	Computer aided robotization (CAR)	1		1								E(1)			100	14	14	72	4													
3	32300310	Computer aided manufacturing (CAM) in robotized systems	1		1								E(1)			100	14	14	72	4													
4	32300410	Motion planning of industrial robots	2			1								C(1)		100	28	14	58	4													
		Optional 1	1		2									C(1)		100	14	28	58	4													
5	32300510	Object-oriented programming languages																															
6	32300610	Web programming technologies																															
7	32300710	Research activity_1 (ACP_01)																						14			V(1)	250		196	54	10	
8	32300810	PLC programming																		2		2			E(2)			100	28	28	44		4
9	32300910	Monitoring and control of robotized manufacturing processes																		1		1			E(2)			100	14	14	72		4
10	32301010	Design and integration of mechatronic systems for interfacing	1			1			C(2)		100	14	14	72		4																	
11	32301110	Robotic applications	1		2			E(2)			100	14	28	58		4																	
		Optional 2	2		1				C(2)		100	28	14	58		4																	
12	32301210	Reliability, maintenance, and safety of industrial robotic systems																															
13	32301310	Engineering and management of innovation																															
14	32301410	Research activity_2 (ACP_02)																						14			V(2)	250		196	54		10
TOTAL																1500	196	588	716	30	30												
			7	0	6	1	14	7	0	6	1	14																					
No. ex/ No. col/No. ver.			28					28																									
			3e + 2c + 1v					3e + 2c + 1v																									

No.	Code	Course unit title	Year II										Examination form			No.hrs/course				ECTS	
			Sem 3 (14 s)					Sem 4 (14 s).								Tot	C	Apl.	St.ind	1	2
			C	S	L	P	Ce/P	C	S	L	P	Ce/P	E	C	V						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
15	32301510	Quality assurance and control in robotized processes	2		1								E(3)			100	28	14	58	4	
16	32301610	Computer aided production planning (CAPP)	1		2								E(3)			100	14	28	58	4	
17	32301710	Distributed control in robotized systems	2		1									C(3)		100	28	14	58	4	
18	32301810	Medical robotics	1		2								E(3)			100	14	28	58	4	
		Optional 3	1		1									C(3)		100	14	14	72	4	
19	32301910	Vision systems in robotics																			
20	32302010	Artificial intelligence in industrial production																			
21	32302110	Research activity_3 (ACP_03)					14								V(3)	250		196	54	10	
22	32302210	Calibration and precision of industrial robots						1		1				C(4)		100	14	14	72		4
23	32302310	Robotized manufacturing systems						1		1				C(4)		100	14	14	72		4
24	32302410	Practical work in research										3			V(4)	100		42	58		4
25	32302510	Practical work for elaboration of disertation										3			V(4)	100		42	58		4
26	32302610	Research activity_4 (ACP_04)										14			V(4)	250		196	54		10
27	32302710	Elaboration of disertation										4			V(4)	100		56	44		4
																1500	126	658	716	30	30

28	Public presentation of disertation												E(5)								10
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	7	0	7	0	14	2	0	2	0	24
	28					28				
No. ex/ No. col/No. ver.	3e + 2c + 1v					2c+4v				