

PLAN DE INVATAMANT Anul I

Nr. crt.	DISCIPLINA		Ore pe saptamana				PC	Forma de eval.	
	Denumire	Cod	C	S	L	P			
SEMESTRUL I									
Discipline obligatorii (O)									
1	Programarea asistata si simularea off-line a robotilor industriali 1 - ABB Robot Studio	UPB.06.M.01.O.001	2	0	2	0	6	E	
2	Sisteme de control al robotilor industriali si fabricatiei prin vedere artificiala	UPB.06.M.01.O.002	2	0	2	0	4	E	
3	Programare CNC 1-Centre de prelucrare prin strunjire OKUMA	UPB.06.M.01.O.003	2	0	2	0	6	E	
4	Fizica aplicata - Utilizarea surselor Laser si de plasma pentru prelucrari tehnologice	UPB.06.M.01.O.004	1	0	1	0	2	V	
5	Matematici aplicate - Metode de calcul numeric in robotica	UPB.06.M.01.O.005	1	1	0	0	2	V	
6	Cercetare stiintifica 1	UPB.06.M.01.O.006	0	0	0	12	10	P	
Total discipline obligatorii (O)			8	1	7	12	30		
Discipline optionale (A)									
Total discipline optionale (A)			0	0	0	0	0		
Total discipline obligatorii si optionale (O + A)			8	1	7	12	30		
TOTAL ORE PE SAPTAMANA			28						
Discipline liber alese (L)									
1	Proiectarea asistata optima a servosistemelor electromecanice-Motion Analyzer, Rockwell Automation	UPB.06.M.01.L.001	2	0	1	1	4	V	
Total discipline liber alese (L)			2	0	1	1	4		
SEMESTRUL al II-lea									
Discipline obligatorii (O)									
1	Programarea CNC 2-Centre de prelucrare prin frezare OKUMA	UPB.06.M.02.O.001	2	0	2	0	5	E	
2	Senzori si sisteme informatonale pentru managementul integrat al productiei	UPB.06.M.02.O.002	2	0	2	0	4	E	
3	Sisteme moderne de actionare a robotilor industriali	UPB.06.M.02.O.003	1	0	1	0	3	E	
4	Roboti pentru servicii personale si sociale	UPB.06.M.02.O.004	1	0	1	0	2	V	
5	Aplicatii in robotica ale procedului de fabricare rapida (3D Printing)	UPB.06.M.02.O.005	1	0	1	0	2	V	
6	Inginerie asistata avansata in robotica	UPB.06.M.02.O.006	1	0	1	0	4	E	
7	Cercetare stiintifica 2	UPB.06.M.02.O.007	0	0	0	12	10	P	
Total discipline obligatorii (O)			8	0	8	12	30		
Discipline optionale (A)									
Total discipline optionale (A)			0	0	0	0	0		
Total discipline obligatorii si optionale			8	0	8	12	30		
TOTAL ORE PE SAPTAMANA			28						
Discipline liber alese (L)									
1	Proiectarea conceptuala mecatronica asistata-Mechatronics Concept Designer, Siemens PLM		2	0	2	0	4	V	
Total discipline liber alese (L)			2	0	2	0	4		

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 Prof. univ. dr. ing. ec. Cristian DOICIN

RECTOR,
 Mihnea COSTOIU

Director de departament,
 Prof. univ. dr. ing. Tiberiu DOBRESCU

PLAN DE INVATAMANT Anul II

	Nr. crt.	DISCIPLINA		Ore pe saptamana				PC	Forma de eval.
		Denumire	Cod	C	S	L	P		
SEMESTRUL I	Discipline obligatorii (O)								
	1	Programarea asistata si simularea off-line a robotilor industriali 2 - Fanuc RoboGuide / Kawasaki K-Lite	UPB.06.M.03.O.001	2	0	2	0	5	E
	2	Programarea asistata si simularea off-line a proceselor si sistemelor de fabricatie robotizate - RobCAD / Process Simulate, Siemens PLM	UPB.06.M.03.O.002	2	0	2	0	5	E
	3	Punerea in functiune si evaluarea performantelor robotilor industriali	UPB.06.M.03.O.003	2	0	0	1	4	E
	4	Microcontrolere pentru aplicatii in robotica	UPB.06.M.03.O.004	1	0	1	0	3	E
	5	Robotica pentru aplicatii medicale	UPB.06.M.03.O.005	2	0	1	0	3	V
	6	Cercetare stiintifica 3	UPB.06.M.03.O.006	0	0	0	12	10	V
	Total discipline obligatorii (O)				9	0	6	13	30
	Discipline optionale (A)								
	Total discipline optionale (A)				0	0	0	0	0
	Total discipline obligatorii si optionale (O + A)				9	0	6	13	30
	TOTAL ORE PE SAPTAMANA				28				
Discipline liber alese (L)									
Total discipline liber alese (L)				0	0	0	0	0	
SEMESTRUL II	Discipline obligatorii (O)								
	1	Cercetare stiintifica 4 (finalizare lucrare de disertatie)	UPB.06.M.04.O.001	0	0	0	28	30	V
	Total discipline obligatorii (O)				0	0	0	28	30
	Discipline optionale (A)								
	Total discipline optionale (A)				0	0	0	0	0
	Total discipline obligatorii si optionale (O + A)				0	0	0	28	30
	TOTAL ORE PE SAPTAMANA				28				
Discipline liber alese (L)									
Total discipline liber alese (L)				0	0	0	0	0	

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