

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 procedeului 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		

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

RECTOR,
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PLAN DE INVATAMANT Anul II

	Nr. crt.	DISCIPLINA		Ore pe saptamana				PC	Forma de eval.	
		Denumire	Cod	C	S	L	P			
S E M E S T R U L 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			
S E M E S T R U L 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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