

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 informatinale 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	

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



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	6	E
2	Programare CNC - OKUMA	UPB.06.M.03.O.002	2	0	2	0	4	E
3	Programarea asistata si simularea off-line a aplicatiilor robotizate - ROBCAD Siemens PLM	UPB.06.M.03.O.003	2	0	2	0	4	E
4	Punerea in functiune si evaluarea performantelor robotilor industriali	UPB.06.M.03.O.004	2	0	0	1	4	E
5	Robotica pentru aplicatii medicale	UPB.06.M.03.O.005	2	0	1	0	2	V
6	Cercetare stiintifica 3	UPB.06.M.03.O.006	0	0	0	10	10	V
Total discipline obligatorii (O)			10	0	7	11	30	
Discipline optionale (A)								
Total discipline optionale (A)			0	0	0	0	0	
Total discipline obligatorii si optionale (O + A)			10	0	7	11	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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