

UNIVERSITATEA **POLITEHNICA** BUCURESTI
 FACULTATEA FILS
 Domeniul
 MASTER Informatica Biomedicala (in limba engleza)
 Biomedical Informatics

Anul universitar 2016-2017

PLAN DE INVATAMANT

Anul I

Semestrul I

Nr. crt.	Disciplina Denumire	Cod	Ore pe saptamana				PC	Forma de evaluare
			C	S	L	P		
Discipline obligatorii (O)								
1	Fundamentals of Bioinformatics / Fundamentele Bioinformaticii		2		2	1	6	E
2	Cellular and Molecular Biology / Biologie Celulara si Moleculara		2		2		6	E
3	Programming Paradigms/Paradigme de programare		2		1	1	4	E
4	Cercetare stiintifica		12				10	P
Total discipline obligatorii (O)			6	0	5	2	26	
Discipline optionale (A)								
5a	Advanced Database Systems / Sisteme avansate de baze de date		2		1		4	E
5b	Technologies for Big Data Analysis/Tehnologii pentru Analiza Volumului Mare de Date		2		1		4	E
Total discipline optionale (A)			2	0	1	0	4	
Total discipline obligatorii si optionale			8	0	6	2	30	
TOTAL ORE PE SAPTAMANA			28					
Discipline liber alese (L)								
6	Secure Network Management and Computer Networks		2	0	1	1	6	
Total discipline liber alese (L)			2	0	1	1	6	
Ore studiu individual			12					
Total			40					

Decan,
 Prof. univ. dr. ing. Adrian VOLCEANOV

Director de departament,
 Prof. univ. dr. ing. George DRAGOI

RECTOR,
 Mihnea COSTOIU

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PLAN DE INVATAMANT

Anul I

Semestrul II

Nr. crt.	Disciplina Denumire	Cod	Ore pe saptamana				PC	Forma de evaluare
			C	S	L	P		
Discipline obligatorii (O)								
1	Biostatistics / Biostatistica		2		2	1	6	E
2	Software Methodologies/Metodologii Soft		2		1		4	E
3	Medical Image Processing / Prelucrarea Imaginilor medicale		2		2	1	6	E
4	Advanced Computer Networks/Retele Avansate de Calculatoare		1		1	1	4	E
6	Cercetare stiintifica 2 / Research 2		12				10	P
Total discipline obligatorii (O)			7	0	6	3	30	
Discipline optionale (A)								
Total discipline optionale (A)			0	0	0	0	0	
Total discipline obligatorii si optionale			7	0	6	3	30	
TOTAL ORE PE SAPTAMANA			28					
Discipline liber alese (L)								
7	Applied Web Application Security: Attacks and Defense		2	0	1	1	6	
Total discipline liber alese (L)			2	0	1	1	6	
Ore studiu individual			12					
Total			40					

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Anul II

Semestrul I

Nr. crt.	Disciplina		Ore pe saptamana				PC	Forma de evaluare
	Denumire	Cod	C	S	L	P		
Discipline obligatorii (O)								
1	Software Project Management/Managementul proiectelor software		2		1	1	5	E
2	Special Topics in Software Engineering		1		1		3	E
3	Brain Computer Interface / Interfata creier calculator		2		1		4	E
4	Key Standards in Health Information Systems / Standarde cheie in sistemele informatice de sanatate		2		1		4	E
5	Cercetare stiintifica 3 / Research 3				12		10	P
Total discipline obligatorii (O)			7	0	4	1	26	
Discipline optionale (A)								
6a	Biomedical Sensors and Instrumentation / Senzori si instrumentatie biomedicala		2		1		4	E
6b	Software Testing / Testarea sistemelor de programe		2		1		4	E
Total discipline optionale (A)			2	0	1	0	4	
Total discipline obligatorii si optionale			9	0	5	1	30	
TOTAL ORE PE SAPTAMANA			27					
Discipline liber alese (L)								
7	Security of eHealth Systems		2	0	1	1	6	
Total discipline liber alese (L)			2	0	1	1	6	
Ore studiu individual			13					
Total			40					

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Semestrul II

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	Denumire	Cod	C	S	L	P		
Discipline obligatorii (O)								
4	Cercetare stiintifica 4 / Research 4: Elaborare lucrare de dizertatie		28				30	P
Total discipline obligatorii (O)			28	0	0	0	30	
Discipline optionale (A)								
Total discipline optionale (A)			0	0	0	0	0	
Total discipline obligatorii si optionale			0	0	0	0	0	
TOTAL ORE PE SAPTAMANA			28					
Discipline liber alese (L)								
Total discipline liber alese (L)			0	0	0	0	0	
Ore studiu individual			12					
Total			40					

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