

CODUL SI	DENUMIREA DISCIPLINEI	Anul : I										Forma de verificare			Nr.ore/disciplina				Credite/sem		Disciplina		
		SEM 1 14 sapt					SEM 2 14 sapt					E C V			Total	C	Apl	St. ind	1	2	cat	tip	
		C	S	L	P	PR	C	S	L	P	PR												
1.00	Mathematical Analysis I (Differential Calculus)	2	2	0	0	0							Nota	100	28	28	44	4.0		DF	DI		
2.00	Linear Algebra and Analytical Geometry	2	2	0	0	0							Nota	100	28	28	44	4.0		DF	DI		
3.00	Special Mathematics	2	2	0	0	0							Nota	125	28	28	69	5.0		DF	DI		
4.00	Logic Design	2	0	2	0	0							Nota	125	28	28	69	5.0		DD	DI		
5.00	Computer Programming	2	1	2	0	0							Nota	150	28	42	80	6.0		DF	DI		
6.00	Physics	2	0	1	0	0							Nota	100	28	14	58	4.0		DF	DI		
7.10	English Language I	0	2	0	0	0							Nota	50	0	28	22	2.0		DC	DO		
7.20	French Language I	0	2	0	0	0							Nota	50	0	28	22	2.0		DC	DO		
7.30	German Language I	0	2	0	0	0							Nota	50	0	28	22	2.0		DC	DO		
8.00	Mathematical Analysis II (Integral and Differential Calculus)						2	2	0	0	0		Nota	125	28	28	69		5.0	DF	DI		
9.00	Assembly Language Programming						2	0	2	0	0		Nota	100	28	28	44		4.0	DS	DI		
10.00	Electrotechnics						3	0	1	0	0		Nota	125	42	14	69		5.0	DD	DI		
11.00	Digital System Design						3	0	2	0	0		Nota	150	42	28	80		6.0	DD	DI		
12.00	Data Structures and Algorithms						3	0	2	0	0		Nota	150	42	28	80		6.0	DD	DI		
13.10	English Language II						0	2	0	0	0		Nota	50	0	28	22		2.0	DC	DO		
13.20	French Language II						0	2	0	0	0		Nota	50	0	28	22		2.0	DC	DO		
13.30	German Language II						0	2	0	0	0		Nota	50	0	28	22		2.0	DC	DO		
14.00	Sports I						0	2	0	0	0		A/R	50	0	28	22		2.0	DC	DI		
TOTAL AN		12	9	5	0	0	13	6	7	0	0		sem1 sem2	5 5	2 1	0 1	1500	350	378	772	30.0	30.0	

101.00	Fundamentals of Electronic Circuits	2	1	1	0	0							Nota	125	28	28	69	5.0		DD	Dfac
200.00	Educational Psychology	2	2	0	0	0							Nota	125	28	28	69	5.0		DC	Dfac
301.00	Volunteering 1	0	1	0	0	0							A/R	50	0	14	36	2.0		DC	Dfac
102.00	Chemistry						2	0	2	0	0		Nota	100	28	28	44		4.0	DF	Dfac
201.00	Pedagogy I (The Fundamentals of Pedagogy,						2	2	0	0	0		Nota	125	28	28	69		5.0	DC	Dfac

Rector,  
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FACULTATE FACULTATEA DE AUTOMATICA SI CALCULATOARE

DOMENIU CALCULATOARE SI TEHNOLOGIA INFORMATIEI

SPECIALIZARE CALCULATOARE (IN LIMBA ENGLEZA)

Nivel de studii LICENTA

PLAN DE INVATAMANT PENTRU ANUL UNIVERSITAR

2022-2023

Pag. 2

Curriculum Theory and Methodology)																				
302.00 Volunteering 2					0	1	0	0	0		A/R	50	0	14	36		2.0	DC	Dfac	
TOTAL AN	4	4	1	0	0	4	3	2	0	0	sem1	1	1	1	575	112	140	323	12.0	11.0
			9.00					9.00			sem2	2	0	1						

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CODUL SI DENUMIREA DISCIPLINEI	Anul : II					Forma de verificare E C V	Nr.ore/disciplina				Credite/sem		Disciplina											
	SEM 1		14 sapt				SEM 2		14 sapt		Total	C	Apl	St. ind	1	2	cat	tip						
	C	S	L	P	PR		C	S	L	P									PR					
15.00 Electronic Measurements and Sensors	2	0	2	0	0	Nota	100	28	28	44	4.0		DID	DI										
16.00 Fundamental Algorithms	2	1	2	0	0	Nota	150	28	42	80	6.0		DID	DI										
17.00 Analog and Digital Circuits	2	0	2	0	0	Nota	100	28	28	44	4.0		DID	DI										
18.00 Object - Oriented Programming	2	0	2	0	0	Nota	125	28	28	69	5.0		DID	DI										
19.00 Databases	2	0	2	0	0	Nota	100	28	28	44	4.0		DID	DI										
20.00 Special Mathematics in Engineering	2	2	0	0	0	Nota	125	28	28	69	5.0		DF	DI										
21.10 English Language I - Technical Documents Elaboration	2	0	0	0	0	Nota	50	28	0	22	2.0		DC	DO										
21.20 French Language I - Technical Documents Elaboration	2	0	0	0	0	Nota	50	28	0	22	2.0		DC	DO										
21.30 German Language I - Technical Documents Elaboration	2	0	0	0	0	Nota	50	28	0	22	2.0		DC	DO										
22.00 Systems Theory						Nota	100	28	28	44	4.0		DID	DI										
23.00 Computer Architecture						Nota	125	28	28	69	5.0		DID	DI										
24.00 Numerical Methods						Nota	100	28	28	44	4.0		DF	DI										
25.00 Fundamental Programming Techniques						Nota	100	28	28	44	4.0		DF	DI										
26.00 Operating Systems						Nota	125	28	28	69	5.0		DID	DI										
27.00 Computer-Aided Graphics						Nota	100	28	28	44	4.0		DF	DI										
28.10 English Language II - Technical Documents Elaboration						Nota	50	28	0	22	2.0		DC	DO										
28.20 French Language I - Technical Documents Elaboration						Nota	50	28	0	22	2.0		DC	DO										
28.30 German Language II - Technical Documents Elaboration						Nota	50	28	0	22	2.0		DC	DO										
29.00 Sports II						A/R	50	0	28	22	2.0		DC	DI										
<b>TOTAL AN</b>	<b>14</b>	<b>3</b>	<b>10</b>	<b>0</b>	<b>0</b>		<b>14</b>	<b>2</b>	<b>12</b>	<b>0</b>			<b>sem1</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>1500</b>	<b>392</b>	<b>378</b>	<b>730</b>	<b>30.0</b>	<b>30.0</b>		
			<b>27.00</b>						<b>28.00</b>	<b>0</b>			<b>sem2</b>	<b>6</b>	<b>1</b>	<b>1</b>								

104.00 Basics of Quantum Information	2	0	1	0	0	Nota	75	28	14	33	3.0		DC	Dfac		
105.00 Pedagogy II (Instruction Theory and Methodology, Assessment Theory and Methodology)	2	2	0	0	0	Nota	125	28	28	69	5.0		DC	Dfac		
303.00 Volunteering 3	0	1	0	0	0	A/R	50	0	14	36	2.0		DC	Dfac		

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106.00 Mechanics		2	2	0	0	0		Nota	100	28	28	44	4.0	DF	Dfac			
107.00 Didactics of specialization (technical disciplines)		2	2	0	0	0		Nota	125	28	28	69	5.0	DS	Dfac			
304.00 Volunteering 4		0	1	0	0	0		A/R	50	0	14	36	2.0	DC	Dfac			
TOTAL AN	4	3	1	0	0	0	4	5	0	0	0	sem1 1 1 1	525	112	126	287	10.0	11.0
				8.00								sem2 1 1 1						

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CODUL SI DENUMIREA DISCIPLINEI	Anul : III					Forma de verificare			Nr.ore/disciplina				Credite/sem		Disciplina					
	SEM 1		14 sapt			SEM 2		14 sapt			Total	C	Apl	St. ind	1	2	cat	tip		
	C	S	L	P	PR	C	S	L	P	PR									E	C
30.00 Design with Microprocessors	2	0	1	1	0						Nota	125	28	28	69	5.0		DID	DI	
31.00 Structure of Computer Systems	2	0	2	1	0						Nota	125	28	42	55	5.0		DID	DI	
32.00 Functional Programming	2	0	2	0	0						Nota	100	28	28	44	4.0		DID	DI	
33.00 Software Engineering	2	0	1	1	0						Nota	125	28	28	69	5.0		DID	DI	
34.00 Artificial Intelligence	2	0	2	0	0						Nota	125	28	28	69	5.0		DID	DI	
35.00 Economic Law	2	0	0	0	0						Nota	50	28	0	22	2.0		DC	DI	
36.00 Graphic Processing	2	0	2	0	0						Nota	100	28	28	44	4.0		DID	DI	
37.00 Logic Programming						2	1	2	0	0	Nota	100	28	42	30		4.0	DID	DI	
38.00 Formal Languages and Translators						2	0	2	0	0	Nota	75	28	28	19		3.0	DID	DI	
39.00 Computer Networks						2	0	2	0	0	Nota	75	28	28	19		3.0	DID	DI	
40.00 Image Processing						2	0	2	1	0	Nota	100	28	42	30		4.0	DID	DI	
41.00 Software design						2	0	2	1	0	Nota	100	28	42	30		4.0	DS	DI	
42.00 Intelligent Systems						2	0	2	0	0	Nota	100	28	28	44		4.0	DS	DI	
43.00 Practical Work in the Domain of Study (6 sapt)						0	0	0	0	15		A/R	100	0	90	10		4.0	DID	DI
44.00 Practical Work in the Specialization (6 sapt)						0	0	0	0	15		A/R	100	0	90	10		4.0	DS	DI
<b>TOTAL AN</b>	14	0	10	3	0	12	1	12	2	30	sem1	6	1	0	<b>1500</b>	364	572	564	30.0	30.0
				27.00					27.00		sem2	6	0	2						

108.00 Robot Control Systems	2	0	3	0	0						Nota	125	28	42	55	5.0		DS	Dfac	
109.00 Computer Assisted Training	1	1	0	0	0						Nota	50	14	14	22	2.0		DC	Dfac	
110.00 Teaching Practice I	0	0	0	0	3						Nota	75	0	42	33	3.0		DC	Dfac	
1105.00 Volunteering 5	0	1	0	0	0						A/R	50	0	14	36	2.0		DC	Dfac	
111.00 Signals and Systems						2	0	2	0	0	Nota	100	28	28	44		4.0	DS	Dfac	
112.00 Real-time Systems						2	0	2	0	0	Nota	100	28	28	44		4.0	DS	Dfac	
113.00 Classroom Management						1	1	0	0	0	Nota	75	14	14	47		3.0	DC	Dfac	
114.00 Teaching Practice II (12 sapt)						0	0	0	0	3	Nota	50	0	36	14		2.0	DC	Dfac	
115.00 Graduation Exam level I						0	0	0	0	0	Nota	0	0	0	0		5.0	DC	Dfac	
11306.00 Volunteering 6						0	1	0	0	0		A/R	50	0	14	36		2.0	DC	Dfac

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TOTAL AN	3	2	3	0	3	5	2	4	0	3	sem1	1	2	1	<b>675</b>	112	232	331	12.0	15.0	
			8.00					11.00			sem2	1	3	1						+ 5	

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CODUL SI	DENUMIREA DISCIPLINEI	Anul : IV					Forma de verificare	Nr.ore/disciplina				Credite/sem		Disciplina								
		SEM 1		14 sapt				SEM 2		14 sapt		Total	C	Apl	St. ind	1	2	cat	tip			
		C	S	L	P	PR	C	S	L	P	PR									E	C	V
45.00	Distributed Systems	2	0	2	1	0			Nota	150	28	42	80	6.0		DS	DI					
46.10	Database Design	2	0	2	0	0			Nota	125	28	28	69	5.0		DS	DO					
46.20	Computer Network Design	2	0	2	0	0			Nota	125	28	28	69	5.0		DS	DO					
47.10	Operating Systems Design	2	0	2	1	0			Nota	150	28	42	80	6.0		DS	DO					
47.20	User Interface Design	2	0	2	1	0			Nota	150	28	42	80	6.0		DS	DO					
48.10	Pattern Recognition Systems	2	0	2	1	0			Nota	150	28	42	80	6.0		DS	DO					
48.20	Translators Design	2	0	2	1	0			Nota	150	28	42	80	6.0		DS	DO					
49.10	Marketing	2	0	0	0	0			Nota	50	28	0	22	2.0		DC	DO					
49.20	Personal and Professional Development, Ethics and Academic Integrity	2	0	0	0	0			Nota	50	28	0	22	2.0		DC	DO					
50.00	Project Management	3	0	0	0	0			Nota	75	42	0	33	3.0		DS	DI					
51.00	Management and Communication	2	0	0	0	0			Nota	50	28	0	22	2.0		DC	DI					
52.00	Project Preparing Methodology						2	0	0	0	0				4.0	DS	DI					
53.00	Information Systems						2	0	2	0	0				5.0	DS	DI					
54.10	Knowledge-based Systems						2	1	2	0	0				6.0	DS	DO					
54.20	Parallel Programming						2	1	2	0	0				6.0	DS	DO					
55.10	Input-Output Systems and Peripheral Devices						2	0	2	0	0				5.0	DS	DO					
55.20	Parallel and Distributed Computing						2	0	2	0	0				5.0	DS	DO					
56.00	Communication Protocols and Networks Project						0	0	0	2	0				2.0	DS	DI					
57.00	Graduation Project						0	0	0	4	0				4.0	DS	DI					
58.00	Practical Placement for Diploma Thesis						0	0	0	0	5				4.0	DS	DI					
59.00	Graduation Project Defense						0	0	0	0	0				10.0	DS	DI					
TOTAL AN		15	0	8	3	0	8	1	6	6	5	sem1	5	2	0	1500	322	406	772	30.0	30.0	
				26.00					26.00			sem2	3	2	2						+ 10	
115.00	Entrepreneurship	2	0	0	0	0									2.0		DC	Dfac				

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116.00 Autonomous driving: Technology, Dynamics and Control	2	0	2	0	0					Nota	75	28	28	19	3.0	DC	Dfac				
307.00 Volunteering 7	0	1	0	0	0					A/R	50	0	14	36	2.0	DC	Dfac				
308.00 Volunteering 8						0	1	0	0	0	A/R	50	0	14	36	2.0	DC	Dfac			
TOTAL AN	4	1	2	0	0	0	1	0	0	0	sem1	0	2	1	225	56	56	113	7.0	2.0	
				7.00					1.00		sem2	0	0	1							

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## Nivel de studii LICENTA PLAN DE INVATAMANT PENTRU ANUL UNIVERSITAR 2022-2023

	C	S	L	P	PR	Credite	Examene	Colocvii si verificari	Total evaluari	Nr.examene/tot.evaluari
Anul I	350	210	168	0	0	60	10	4	14	71 %
Anul II	392	70	308	0	0	60	12	3	15	80 %
Anul III	364	14	308	70	180	60	12	3	15	80 %
Anul IV	322	14	196	126	0	60	8	6	14	57 %
TOTAL	1428	308	980	196	180	240	42	16	58	72 %

NUMAR ORE TOTAL 3092 DIN CARE 180.00 ORE PRACTICA

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