

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 I	0	2	0	0	0							Nota	50	0	28	22	2.0		DC	DO		
7.20	French I	0	2	0	0	0							Nota	50	0	28	22	2.0		DC	DO		
7.30	German 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 II						0	2	0	0	0		Nota	50	0	28	22		2.0	DC	DO		
13.20	French II						0	2	0	0	0		Nota	50	0	28	22		2.0	DC	DO		
13.30	German 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

2023-2024

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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									
TOTAL AN	14	3	10	0	0		14	2	12	0	0	sem1	6	1	0	1500	392	378	730	30.0	30.0		
												sem2	6	1	1								

103.00 Basics of Quantum Information	2	0	1	0	0	Nota	75	28	14	33	3.0		DC	Dfac
202.00 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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104.00 Mechanics		2	2	0	0	0		Nota	100	28	28	44	4.0	DF	Dfac								
203.00 Didactics of the specialization		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	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					E	C	V	Total	C	Apl	St. ind	1	2	cat	tip		
	C	S	L	P	PR	C	S	L	P	PR													
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 Stage in the Specialization (6 sapt)						0	0	0	0	15			A/R	100	0	90	10		4.0	DS	DI		
TOTAL AN	14	0	10	3	0	12	1	12	2	30	sem1	6	1	0	1500	364	572	564	30.0	30.0			
											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 in Compulsory Pre-University Education (1)	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 in Compulsory Pre-University Education (2) (12 sapt)						0	0	0	0	3			Nota	50	0	36	14		2.0	DC	Dfac

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15.00 Graduation Exam Level I		0	0	0	0	0	Nota	0	0	0	0	5.0	DC	Dfac				
306.00 Volunteering 6		0	1	0	0	0	A/R	50	0	14	36	2.0	DC	Dfac				
TOTAL AN	3	2	3	0	3	5	2	4	0	3	sem1 0 3 1	675	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 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	
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	Nota	100	28	0	72	4.0	DS	DI		
53.00 Information Systems						2	0	2	0	0	Nota	125	28	28	69	5.0	DS	DI		
54.10 Knowledge-based Systems						2	1	2	0	0	Nota	150	28	42	80	6.0	DS	DO		
54.20 Parallel Programming						2	1	2	0	0	Nota	150	28	42	80	6.0	DS	DO		
55.10 Input-Output Systems and Peripheral Devices						2	0	2	0	0	Nota	125	28	28	69	5.0	DS	DO		
55.20 Parallel and Distributed Computing						2	0	2	0	0	Nota	125	28	28	69	5.0	DS	DO		
56.00 Communication Protocols and Networks Project						0	0	0	2	0	Nota	50	0	28	22	2.0	DS	DI		
57.00 Graduation Project						0	0	0	4	0	A/R	100	0	56	44	4.0	DS	DI		
58.00 Practical Placement for Diploma Thesis						0	0	0	0	5	A/R	100	0	70	30	4.0	DS	DI		
59.00 Graduation Project Defense						0	0	0	0	0	Nota	0	0	0	0	10.0	DS	DI		
TOTAL AN	15	0	8	3	0	8	1	6	6	5	sem1 sem2	5 3	2 2	0 2	1500	322	406	772	30.0 30.0 + 10	
116.00 Entrepreneurship	2	0	0	0	0						Nota	50	28	0	22	2.0		DC	Dfac	

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117.00 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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