

FACULTY OF Faculty of Electronics, Telecommunications and Information Technology
Domain Electronics, Telecommunications and Information Technologies Engineering
Program Name Telecommunications Technologies and Systems (English language)
Study Level License

CURRICULA Valid for the Academic Year 2026-2027

Pag. 1

COURSE CODE AND TITLE		Year: I										Method of Assessment			Nr. Of Hours/Discipline				ECTS/Sem		Discipline	
		SEM 1 14 weeks					SEM 2 14 weeks															
		C	S	L	P	PR	C	S	L	P	PR	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type
1.00	Mathematical Analysis	2	2	0	0	0						Gr		100	28	28	44	4.0		DF	DOB	
2.00	Linear Algebra, Analytical and Differential Geometry	2	2	0	0	0						Gr		125	28	28	69	5.0		DF	DOB	
3.00	Physics I	2	2	0	0	0						Gr		100	28	28	44	4.0		DF	DOB	
4.00	Computer Programming and Programming Languages 1	2	0	2	0	0						Gr		125	28	28	69	5.0		DF	DOB	
5.00	Passive Devices and Circuits	2	0	2	0	0						Gr		125	28	28	69	5.0		DF	DOB	
6.00	Applied Informatics	2	0	2	0	0						Gr		125	28	28	69	5.0		DF	DOB	
7.00	Physical Education and Sport 1	0	0	2	0	0						A/R		50	0	28	22	2.0		DC	DOB	
8.00	Special Mathematics						2	2	0	0	0	Gr		125	28	28	69	5.0		DF	DOB	
9.00	Differential Equations						2	2	0	0	0	Gr		125	28	28	69	5.0		DF	DOB	
10.00	Physics II						2	1	0	0	0	Gr		100	28	14	58	4.0		DF	DOB	
11.00	Computer Programming and Programming Languages 2						2	0	2	0	0		Gr	125	28	28	69	5.0		DF	DOB	
12.00	Electronic Devices						2	0	2	0	0	Gr		125	28	28	69	5.0		DF	DOB	
13.00	Basics of Electrotechnics I						2	2	0	0	0	Gr		100	28	28	44	4.0		DF	DOB	
14.10	English Language 1						2	1	0	0	0		Gr	50	28	14	8	2.0		DC	DOP	
14.20	French Language 1						2	1	0	0	0		Gr	50	28	14	8	2.0		DC	DOP	
14.30	German Language 1						2	1	0	0	0		Gr	50	28	14	8	2.0		DC	DOP	
TOTAL PER YEAR		12	6	8	0	0	14	8	4	0	0	sem1	5	0	2	1500	364	364	772	30.0	30.0	
					26.0					26.0		sem2	5	0	2							

201.00	Educational Psychology	2	2	0	0	0						Gr				125	28	28	69	5.0	DC	DFA	
301.00	Volunteering 1	0	1	0	0	0						A/R				50	0	14	36	2.0	DC	DFA	
202.00	Pedagogy 1 (The Fundamentals of Pedagogy, Curriculum Theory and Methodology)						2	2	0	0	0	Gr				125	28	28	69	5.0	DC	DFA	
302.00	Volunteering 2						0	1	0	0	0	A/R				50	0	14	36	2.0	DC	DFA	
TOTAL YEAR		2	3	0	0	0	2	3	0	0	0	sem1	1	0	1	350	56	84	210	7.0	7.0		
		5.0					5.0					sem2	1	0	1								

Rector,
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COURSE CODE AND TITLE		Year: II										Method of Assessment			Nr. Of Hours/Discipline				ECTS/Sem		Discipline		
		SEM 1 14 weeks					SEM 2 14 weeks								Indiv. St.				1	2	cat	type	
		C	S	L	P	PR	C	S	L	P	PR	Total	C	Apl	St.								
15.00	Computer-Aided Graphics	2	0	2	0	0						Gr	100	28	28	44	4.0		DF	DOB			
16.00	Basics of Electrotechnics II	2	2	0	0	0						Gr	100	28	28	44	4.0		DD	DOB			
17.00	Signals and Systems	2	1	1	0	0						Gr	125	28	28	69	5.0		DD	DOB			
18.00	Materials for Electronics	2	0	1	0	0						Gr	100	28	14	58	4.0		DD	DOB			
19.00	Digital Integrated Circuits	2	1	1	0	0						Gr	100	28	28	44	4.0		DD	DOB			
20.00	Fundamental Electronic Circuits	2	1	2	0	0						Gr	125	28	42	55	5.0		DD	DOB			
21.10	English Language 2	1	1	0	0	0						Gr	50	14	14	22	2.0		DC	DOP			
21.20	French Language 2	1	1	0	0	0						Gr	50	14	14	22	2.0		DC	DOP			
21.30	German Language 2	1	1	0	0	0						Gr	50	14	14	22	2.0		DC	DOP			
22.00	Physical Education and Sport 2	0	0	2	0	0						A/R	50	0	28	22	2.0		DC	DOB			
23.00	Measurements in Electronics and Telecommunications						2	1	1	0	0	Gr	100	28	28	44	4.0		DD	DOB			
24.00	Microwaves						2	0	2	0	0	Gr	100	28	28	44	4.0		DD	DOB			
25.00	Analysis and Synthesis of Circuits						2	1	1	0	0	Gr	125	28	28	69	5.0		DD	DOB			
26.00	Analog Integrated Circuits						2	1	1	0	0	Gr	100	28	28	44	4.0		DD	DOB			
27.00	Systems with Digital Integrated Circuits						2	0	1	1	0	Gr	125	28	28	69	5.0		DD	DOB			
28.00	Computer Aided Design Techniques						2	0	2	0	0	Gr	100	28	28	44	4.0		DD	DOB			
29.00	Software Engineering						2	0	2	0	0	Gr	100	28	28	44	4.0		DS	DOB			
TOTAL PER YEAR		13	6	9	0	0	14	3	10	1	0	sem1	5	0	3	1500	378	406	716	30.0	30.0		
					28.0					28.0		sem2	5	0	2								

100.00	Python Programming	1	0	1	0	0						Gr				75	14	14	47	3.0			DS	DFA
203.00	Pedagogy 2 (Instruction Theory and Methodology, Assessment Theory and Methodology)	2	2	0	0	0						Gr				125	28	28	69	5.0			DC	DFA
303.00	Volunteering 3	0	1	0	0	0								A/R		50	0	14	36	2.0			DC	DFA
204.00	Didactics of the Specialization						2	2	0	0	0	Gr				125	28	28	69		5.0		DC	DFA
304.00	Volunteering 4						0	1	0	0	0			A/R		50	0	14	36		2.0		DC	DFA
TOTAL YEAR		3	3	1	0	0	2	3	0	0	0	sem1	2	0	1	425	70	98	257	10.0	7.0			
					7.0					5.0		sem2	1	0	1									

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COURSE CODE AND TITLE		Year: III										Method of Assessment			Nr. Of Hours/Discipline				ECTS/Sem		Discipline		
		SEM 1 14 weeks					SEM 2 14 weeks																
		C	S	L	P	PR	C	S	L	P	PR	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type	
30.00	Systems with Analog Integrated Circuits	2	0	2	1	0							Gr		125	28	42	55	5.0		DD	DOB	
31.00	Microprocessors Architecture	2	0	2	0	0							Gr		125	28	28	69	5.0		DD	DOB	
32.00	Optoelectronics	2	0	2	0	0							Gr		125	28	28	69	5.0		DD	DOB	
33.00	Theory of Information Transmission	2	1	2	0	0							Gr		125	28	42	55	5.0		DD	DOB	
34.00	Modulation Techniques	2	1	2	0	0							Gr		125	28	42	55	5.0		DS	DOB	
35.00	Web Technologies and Databases	2	0	2	0	0							Gr		125	28	28	69	5.0		DS	DOB	
36.00	Telephony						2	0	2	0	0		Gr		75	28	28	19	3.0		DS	DOB	
37.00	Microprocessor-based Systems						2	0	2	0	0		Gr		100	28	28	44	4.0		DS	DOB	
38.00	Decision and Estimation in Information Processing						2	0	2	0	0		Gr		75	28	28	19	3.0		DD	DOB	
39.00	Switching and Routing Systems						2	0	2	1	0		Gr		100	28	42	30	4.0		DS	DOB	
40.00	Radiocommunications						2	0	2	1	0		Gr		100	28	42	30	4.0		DS	DOB	
41.00	Computer Networks						2	0	2	0	0		Gr		100	28	28	44	4.0		DS	DOB	
42.00	Practical Work in the Domain of Study						0	0	0	0	25		A/R		100	0	100	0	4.0		DD	DOB	
43.00	Practical Work in the Specialization						0	0	0	0	25		A/R		100	0	100	0	4.0		DS	DOB	
TOTAL PER YEAR		12	2	12	1	0	12	0	12	2	50	sem1	5	0	1	1500	336	606	558	30.0	30.0		
					27.0					26.0		sem2	5	2	1								

101.00	Power Supplies	2	0	2	0	0				Gr			125	28	28	69	5.0		DS	DFA		
102.00	Sensors and Transducers	2	0	2	0	0				Gr			125	28	28	69	5.0		DS	DFA		
103.00	Virtual Instrumentation	2	0	2	0	0				Gr			100	28	28	44	4.0		DS	DFA		
104.00	FPGA Systems	2	0	2	0	0				Gr			125	28	28	69	5.0		DS	DFA		
105.00	Personal and Professional Development	2	0	0	0	0				Gr			50	28	0	22	2.0		DC	DFA		
106.00	German Language	1	0	1	0	0				Gr			50	14	14	22	2.0		DC	DFA		
205.00	Computer Assisted Training	1	0	1	0	0				Gr			50	14	14	22	2.0		DF	DFA		
206.00	Teaching Practice in Compulsory Pre-university Education ~(1)	0	0	0	0	3				Gr			75	0	42	33	3.0		DF	DFA		
305.00	Volunteering 5	0	1	0	0	0				A/R			50	0	14	36	2.0		DC	DFA		
107.00	Power Electronics						2	0	2	0	0	Gr		75	28	28	19	3.0		DS	DFA	
108.00	Electronic Microsystems Technology						2	0	2	0	0	Gr		100	28	28	44	4.0		DS	DFA	
109.00	Data Acquisition Systems						2	0	1	2	0	Gr		125	28	42	55	5.0		DS	DFA	
110.00	Microcontrollers						2	0	2	0	0	Gr		75	28	28	19	3.0		DD	DFA	
207.00	Classroom Management						1	1	0	0	0	Gr		75	14	14	47	3.0		DF	DFA	
208.00	Teaching Practice in Compulsory Pre-university Education ~(2)						0	0	0	0	3	Gr		50	0	36	14	2.0		DF	DFA	
209.00	Graduation Exam - Level I						0	0	0	0	0	Gr		125	0	0	125	5.0		DC	DFA	
306.00	Volunteering 6						0	1	0	0	0	A/R		50	0	14	36	2.0		DC	DFA	
TOTAL YEAR		12	1	10	0	3	9	2	7	2	3	sem1	3	3	3	1425	294	386	745	30.0	22.0	
					23.0					20.0		sem2	3	1	3						+ 5	

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COURSE CODE AND TITLE		Year: IV										Method of Assessment			Nr. Of Hours/Discipline				ECTS/Sem		Discipline	
		SEM 1 14 weeks					SEM 2 14 weeks															
		C	S	L	P	PR	C	S	L	P	PR	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type
44.00	Television Engineering	2	0	2	0	0							Gr	125	28	28	69	5.0		DD	DOB	
45.00	Digital Signal Processing	2	0	2	0	0							Gr	100	28	28	44	4.0		DD	DOB	
46.00	Internet Protocols	2	0	2	0	0							Gr	125	28	28	69	5.0		DS	DOB	
47.00	Mobile Communications	2	0	2	0	0							Gr	125	28	28	69	5.0		DS	DOB	
48.00	Project - Internet of Things Systems	0	0	0	1	0						Gr	50	0	14	36	2.0		DS	DOB		
49.10	Data Transmissions	2	0	2	0	0							Gr	100	28	28	44	4.0		DS	DOP	
49.20	Cellular Radiocommunications	2	0	2	0	0							Gr	100	28	28	44	4.0		DS	DOP	
50.10	Development of 2D/3D Interactive Environments	2	0	1	1	0						Gr	100	28	28	44	4.0		DS	DOP		
50.20	Digital Image Processing	2	0	1	1	0						Gr	100	28	28	44	4.0		DS	DOP		
51.10	English Language	1	0	0	0	0						Gr	25	14	0	11	1.0		DC	DOP		
51.20	French Language	1	0	0	0	0						Gr	25	14	0	11	1.0		DC	DOP		
51.30	German Language	1	0	0	0	0						Gr	25	14	0	11	1.0		DC	DOP		
52.00	Project Management						1	0	0	0	0		Gr	50	14	0	36	2.0		DS	DOB	
53.10	Optoelectronic Systems in Telecommunications						2	0	2	0	0		Gr	125	28	28	69	5.0		DS	DOP	
53.20	Applied Electronics						2	0	2	0	0		Gr	125	28	28	69	5.0		DS	DOP	
54.10	Multimedia Technologies and Virtual Media						2	0	1	2	0		Gr	125	28	42	55	5.0		DS	DOP	
54.20	Speech Processing						2	0	1	2	0		Gr	125	28	42	55	5.0		DS	DOP	
55.10	Digital Techniques for Video Analysis						2	0	1	1	0		Gr	125	28	28	69	5.0		DS	DOP	
55.20	Signal Processors						2	0	1	1	0		Gr	125	28	28	69	5.0		DS	DOP	
56.10	Financial Management						2	0	0	0	0		Gr	75	28	0	47	3.0		DC	DOP	
56.20	Marketing						2	0	0	0	0		Gr	75	28	0	47	3.0		DC	DOP	
57.10	Entrepreneurial Education						1	0	0	0	0		Gr	50	14	0	36	2.0		DC	DOP	
57.20	Ethics and Academic Integrity						1	0	0	0	0		Gr	50	14	0	36	2.0		DC	DOP	
58.00	Graduation Project						0	0	0	4	0		Gr	100	0	56	44	4.0		DS	DOB	
59.00	Field-Specific Research for the Graduation Project						0	0	0	0	5		Gr	100	0	70	30	4.0		DS	DOB	
60.00	Diploma Project Defense						0	0	0	0	0		Gr	0	0	0	0	10.0		DS	DOB	
TOTAL PER YEAR		13	0	11	2	0	10	0	4	7	0	sem1 sem2	5 0	0 1	3 7	1500	322	406	772	30.0 + 10		

111.00	Integrated Circuits and Systems for Automotive	2	0	2	0	0						Gr			75	28	28	19	3.0		DS	DFA
307.00	Volunteering 7	0	1	0	0	0							A/R		50	0	14	36	2.0		DC	DFA
112.00	Software Development Methods for the Automotive Industry						2	0	2	0	0			Gr	75	28	28	19	3.0		DS	DFA
113.00	Cybersecurity						2	0	2	0	0			Gr	75	28	28	19	3.0		DS	DFA

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308.00	Volunteering 8					0	1	0	0	0	A/R				50	0	14	36	2.0		DC	DFA
TOTAL YEAR		2	1	2	0	0	4	1	4	0	0	sem1	1	0	1	325	84	112	129	5.0	8.0	
		5.0					9.0					sem2	0	1	2							

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	C	S	L	P	PR	Credits	Exams	Curriculum and verif.	Total evaluations	No.exams/tot.evaluations
Anul I	364	196	168	0	0	60	10	4	14	71 %
Anul II	378	126	266	14	0	60	10	5	15	67 %
Anul III	336	28	336	42	200	60	10	4	14	71 %
Anul IV	322	0	210	126	70	60	5	11	16	31 %
TOTAL	1400	350	980	182	270	240	35	24	59	59 %

TOTAL NUMBER OF HOURS 3182 **OF WHICH** 270 **PRACTICE HOURS.**

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