

FACULTY OF Faculty of Electronics, Telecommunications and Information Technology
Domain Electronics, Telecommunications and Information Technologies Engineering -
Program Name Telecommunications -
Study Level Master Research

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					E C V			Total C Apl Indiv. St.				1 2		cat type		
		C	S	L	P	Pr/Ce	C	S	L	P	Pr/Ce												
1.00	Security of Telecommunications Networks	1	0	2	0	0						Gr			100	14	28	58	4.0		DF	DOB	
2.00	Unified Communications in the Cloud	1	0	2	0	0						Gr			100	14	28	58	4.0		DF	DOB	
3.00	Wireless Systems	2	0	1	0	0						Gr			100	28	14	58	4.0		DF	DOB	
4.00	Antennas and Radio-Frequency Identification Sensors	2	0	1	0	0						Gr			100	28	14	58	4.0		DF	DOB	
5.00	Ethics and Academic Integrity	1	0	0	0	0						Gr			50	14	0	36	2.0		DC	DOB	
6.00	Research Project 1	0	0	0	2	0						Gr			100	0	28	72	4.0		DS	DOB	
7.00	Research / Practical Activity 1	0	0	0	0	13						Gr			200	0	182	18	8.0		DS	DOB	
8.00	Fundamentals of High Bit-Rate Data Transmissions						2	0	1	0	0	Gr			100	28	14	58	4.0		DF	DOB	
9.00	3G, 4 G and 5G Mobile Communications						2	0	1	0	0	Gr			100	28	14	58	4.0		DF	DOB	
10.00	Data Mining and Analytics using Python						2	0	1	0	0	Gr			100	28	14	58	4.0		DF	DOB	
11.10	Quality of Service in Next Generation Networks						2	0	1	0	0	Gr			100	28	14	58	4.0		DS	DOP	
11.20	Machine Learning Applications for Wireless Communications						2	0	1	0	0	Gr			100	28	14	58	4.0		DS	DOP	
11.30	Machine Learning for Image Analisys						2	0	1	0	0	Gr			100	28	14	58	4.0		DS	DOP	
11.40	Management and Orchestration in Cloud						2	0	1	0	0	Gr			100	28	14	58	4.0		DS	DOP	
11.50	Advanced Techniques for Data Streams Coding and Control						2	0	1	0	0	Gr			100	28	14	58	4.0		DS	DOP	
12.00	Research Project 2						0	0	0	2	0	Gr			100	0	28	72	4.0		DS	DOB	
13.00	Research / Practical Activity 2						0	0	0	0	14	Gr			250	0	196	54	10.0		DS	DOB	
TOTAL PER YEAR		7	0	6	2	13	8	0	4	2	14	sem1	4	1	2	1500	210	574	716	30.0	30.0		
					15.0					14.0		sem2	4	1	1								

201.00	Psychopedagogy of Adolescents, Youngs and Adults	2	1	0	0	0			Gr	125	28	14	83	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	Design and Management of Educational Programs						2	1	0	0	0	Gr	125	28	14	83	5.0	DC	DFA				
203.10	Educational Communication						1	2	0	0	0	Gr	125	14	28	83	5.0	DC	DFA				
203.20	Educational Research Methodology						1	2	0	0	0	Gr	125	14	28	83	5.0	DC	DFA				
203.30	Modern Trends in Assesment Theory and Practice						1	2	0	0	0	Gr	125	14	28	83	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	2	0	0	0	3	4	0	0	0	sem1	1	0	1	475	70	84	321	7.0	12.0		
					4.0					7.0		sem2	2	0	1								

Rector,
Prof. dr. ing. Vasile Ţopa

Dean,
Prof. dr. ing. Ovidiu Aurel Pop

Department Director,
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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															
		C	S	L	P	Pr/Ce	C	S	L	P	Pr/Ce	E	C	V	Total	C	Apl	Indiv. St.	1	2	cat	type
14.00	Communication Technologies for Intelligent Transportation Systems	2	0	1	0	0					Gr			100	28	14	58	4.0		DA	DOB	
15.00	Deep Learning in Telecommunications	2	0	1	0	0					Gr			100	28	14	58	4.0		DA	DOB	
16.10	Radio Networks Design	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
16.20	Intelligent Wireless Communications Systems	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
16.30	Traffic Prediction in Telecom Networks Using AI	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
16.40	Advanced Software Elements in Telecommunications	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
16.50	Relational Databases	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
17.10	Biometric Security Systems	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
17.20	Data Engineering in Cloud	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
17.30	Security in IT Systems	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
17.40	AI-Based Cybersecurity	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
17.50	Cognitive Communications	2	0	1	0	0					Gr			100	28	14	58	4.0		DS	DOP	
18.00	Research Project 3	0	0	0	2	0					Gr		100	0	28	72	4.0		DS	DOB		
19.00	Research / Practical Activity 3	0	0	0	0	14					Gr		250	0	196	54	10.0		DS	DOB		
20.00	Research / Practical Activity 4						0	0	0	0	14		250	0	196	54		10.0	DS	DOB		
21.00	Dissertation Project Work						0	0	0	9	0		250	0	126	124		10.0	DS	DOB		
22.00	Field Specific Research for the Master Thesis						0	0	0	0	5		250	0	70	180		10.0	DS	DOB		
23.00	Presentation of Dissertation						0	0	0	0	0		Gr	0	0	0	0		10.0	DS	DOB	
TOTAL PER YEAR		8	0	4	2	14	0	0	0	9	14	sem1	4	1	1	1500	112	672	716	30.0	30.0	
					14.0					14.0		sem2	0	3	0					+ 10		

100.00	Introduction to Quantum Information	2	0	2	0	0				Gr			75	28	28	19	3.0		DA	DFA
204.00	Didactics of the Field and Developments in Didactics Specialties (High School and Post High School Education)	2	1	0	0	0				Gr			125	28	14	83	5.0		DC	DFA
205.10	School Organization Management	1	2	0	0	0				Gr			125	14	28	83	5.0		DC	DFA
205.20	Metacognitive Education	1	2	0	0	0				Gr			125	14	28	83	5.0		DC	DFA
205.30	Intercultural Education	1	2	0	0	0				Gr			125	14	28	83	5.0		DC	DFA
303.00	Volunteering 3	0	1	0	0	0				A/R			50	0	14	36	2.0		DC	DFA
206.00	Teaching Practice (in Secondary School and Tertiary Education)						0	0	0	0	3		125	0	42	83	5.0		DC	DFA
207.00	Graduation Exam - Level II						0	0	0	0	0		0	0	0	0	5.0		DC	DFA
304.00	Volunteering 4						0	1	0	0	0		50	0	14	36	2.0		DC	DFA
TOTAL YEAR		5	4	2	0	0	0	1	0	0	3	sem1	550	70	140	340	15.0	7.0		
					11.0					1.0		sem2					+ 5			

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	C	S	L	P	Pr/Ce	Credits	Exams	Curriculum and verif.	Total evaluations	No.exams/tot.evaluations
Anul I	210	0	140	56	378	60	8	5	13	62 %
Anul II	112	0	56	154	462	60	4	5	9	44 %
TOTAL	322	0	196	210	840	120	12	10	22	55 %

TOTAL NUMBER OF HOURS 1568 OF WHICH 840 PRACTICE HOURS.

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