

FACULTY OF Faculty of Automation and Computer Science
Domain **SYSTEMS ENGINEERING**
Program Name Cyber Physical Systems (in English Language)
Study Level Master Research

CURRICULA Valid for the Academic Year 2026-2027

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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								Total	C	Apl	Indiv. St.	1	2	cat	type
		C	S	L	P	Pr/Ce	C	S	L	P	Pr/Ce											
13.00	Dependability of Cyber-Physical Systems	2	0	1	0	0						Gr		100	28	14	58	4.0		DA	DOB	
14.00	Reinforcement Learning	2	0	1	0	0						Gr		100	28	14	58	4.0		DS	DOB	
15.00	Human-Robot Interaction	2	0	1	0	0						Gr		100	28	14	58	4.0		DA	DOB	
16.10	Emerging Control Systems for Industry 5.0	2	0	1	0	0						Gr		100	28	14	58	4.0		DA	DOP	
16.20	IoT for Home Automation	2	0	1	0	0						Gr		100	28	14	58	4.0		DA	DOP	
17.00	Ethics and Academic Integrity	1	0	0	0	0						Gr		50	14	0	36	2.0		DC	DOB	
18.00	Project Cyber-Physical Systems 3	0	0	0	2	0						Gr		100	0	28	72	4.0		DS	DOP	
19.00	Research Cyber-Physical Systems 3	0	0	0	0	13						A/R		200	0	182	18	8.0		DS	DOB	
20.00	Research Practice						0	0	0	0	14		A/R	250	0	196	54	10.0		DS	DOB	
21.00	Field Specific Research for the Master Thesis						0	0	0	0	7		A/R	250	0	98	152	10.0		DS	DOB	
22.00	Master Thesis Elaboration						0	0	0	7	0		A/R	250	0	98	152	10.0		DS	DOB	
23.00	Dissertation Defense						0	0	0	0	0		Gr		0	0	0	0	10.0		DS	DOB
TOTAL PER YEAR		9	0	4	2	13	0	0	0	7	14	sem1	5	1	1	1500	126	658	716	30.0	30.0	
					15.0					14.0		sem2	0	0	3					+ 10		

100.00	Technological Transfer and Innovation Support	2	0	1	0	0						Gr				125	28	14	83	5.0		DC	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	Gr				125	0	42	83	5.0		DC	DFA
207.00	Graduation Exam - Level II						0	0	0	0	0	Gr				125	0	0	125	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		5	4	1	0	0	0	1	0	0	3	sem1	3	0	1	725	70	126	529	17.0	7.0		
					10.0					1.0		sem2	0	1	1					+ 5			

Rector,
Prof. dr. ing. Vasile Țopa

Dean,
Prof. dr. ing. Vlad Muresan

Department Director,
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	C	S	L	P	Pr/Ce	Credits	Exams	Curriculum and verif.	Total evaluations	No.exams/tot.evaluations
Anul I	196	0	140	56	392	60	8	4	12	67 %
Anul II	126	0	56	126	476	60	5	5	10	50 %
TOTAL	322	0	196	182	868	120	13	9	22	59 %

TOTAL NUMBER OF HOURS 1568 OF WHICH 868 PRACTICE HOURS.

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