

Master of Advanced Techniques in Signals and Systems
– Taught in Romanian -
Curriculum

Code	Course	Sem	C	S	L	P	CP	Evaluation	
UPB.03.M1.O.13-01	Identification techniques of nonlinear systems	I	2			2	5	E	
UPB.03.M1.O.13-02	Numerical methods in automatics	I	3		1		5	E	
UPB.03.M1.O.13-03	Robust systems	I	3			1	5	E	
UPB.03.M1.O.13-04	Scientific calculus	I	2		2		5	E	
UPB.03.M1.O.13-05	Scientific research		12x14=168					10	P
	Total teaching hours: 16h		10	0	3	3	20		
	Research activities: 12h	I					10	P	
	TOTAL		28					30	
UPB.03.M1.O.13-06	Nonlinear systems	II	3			1	5	E	
UPB.03.M1.O.13-07	Signals and stochastic systems	II	2		2		5	E	
UPB.03.M1.O.13-08	Convex optimization	II	2			2	5	E	
UPB.03.M1.O.13-09	Model reduction	II	3	1			5		
UPB.03.M1.O.13-10	Scientific research	II	12x14=168					10	V
	Total teaching hours: 16h		10	1	2	3	20		
	Research activities: 12h	II					10	P	
	TOTAL		28					30	
UPB.03.M1.O.13-11	Time-frequency analysis and wavelets	III	2			2	5	E	
UPB.03.M1.O.13-12	Discrete dynamic systems with applications to fractal geometry	III	2		2		5	E	
UPB.03.M1.O.13-13	Advanced signal processing	III	3		1		5	E	
UPB.03.M1.O.13-14	Nonconvex optimization techniques	III	3			1	5	E	
UPB.03.M1.O.13-15	Scientific research	III	12x14=168					10	V
	Total teaching hours: 16h		10		3	3	20		
	Research activities: 12h	III					10	P	
	TOTAL		28					30	
UPB.03.M1.O.13-16	Scientific research: 12h	IV	12h					12	P
UPB.03.M1.O.13-17	M.Sc. thesis preparation: 16h	IV	16h					18	P/NP
	Total						30		

Evaluation: E-exam with grading; V-verification during the semester with grading;

P- project with grading. The grading scale is 1-10.

P/NP – verification during the semester with P (Passed) or NP (Not passed) grade.

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