

Master of Science
Advanced Computer Architectures
– Taught in Romanian –

Curriculum

Code	Course	Sem	C	S	L	P	CP	Evaluation
UPB.03.M1.O.01-01	VLSI advanced systems	I	2		2		5	E
UPB.03.M1.O.01-02	Fuzzy Logic- Based Intelligent Circuits	I	2			2	5	E
UPB.03.M1.A.01-03	Elective course – A1	I	2			2	5	E
UPB.03.M1.A.01-04	Elective course – A2	I	2			2	5	E
	Total teaching hours: 16h	I	8		2	6	20	
UPB.03.M1.O.01-05	Research activities: 12h	I			12		10	P
	TOTAL	I			28		30	
UPB.03.M2.O.01-06	Advanced Microprocessor based Systems	II	2		2		5	E
UPB.03.M2.O.01-07	Real Time processing based on Microprocessors	II	2		2		5	E
UPB.03.M2.A.01-08	Elective course – A3	II	2			2	5	E
UPB.03.M2.A.01-09	Elective course – A4	II	2			2	5	E
	Total teaching hours: 16h	II	8		4	4	20	
UPB.03.M2.O.01-10	Research activities: 12h	II			12		10	P
	TOTAL	II			28		30	
UPB.03.M3.O.01-11	Parallel and Distributed Systems	III	2			2	5	E
UPB.03.M3.O.01-12	Numerical Methods in High Performance Computing	III	2			2	5	E
UPB.03.M3.O.01-13	Wireless Sensor Networks	III	2			2	5	E
UPB.03.M3.A.01-14	Elective course – A5	III	2			2	5	E
	Total teaching hours: 16h	III	8			8	20	
UPB.03.M3.O.01-15	Research activities: 12h	III			12		10	P
	TOTAL	III			28		30	
UPB.03.M4.O.01-16	M.Sc. thesis preparation: 12h	IV			12		12	P/NP
UPB.03.M4.O.01-17	Research activities: 16h	IV			16		18	P
	TOTAL	IV			48		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.

Program coordinator
Prof. dr. ing. Nicolae Țăpuș

Dean
Prof. Adina Magda Florea