

Master program
Service Oriented Architecture for Enterprise (AOSI)
– Taught in Romanian -

Code	Course	Sem	C	S	L	P	ECTS	Evaluation
UPB.03.M1.O.14-01	SCADA and PLC Networks	I	2		2		4	E
UPB.03.M1.O.14-02	Wireless Sensor Networks for Product-Driven Automation	I	2		1		4	E
UPB.03.M1.O.14-03	Information Systems Security	I	2			1	4	E
UPB.03.M1.O.14-04	Requirements Management and Business Process Modelling	I	2		1		4	V
UPB.03.M1.O.14-05	Data Flow Modelling and Computing Networks	I	2		1		4	E
	Total didactic activities: 16 ore		10		5	1	20	
UPB.03.M4.O.14-06	R&D Activities: 12 ore	I			12		10	P
	Total	I			28		30	
UPB.03.M1.O.14-07	Software Design and Implementation	II	2			1	4	E
UPB.03.M2.O.14-08	Service Oriented Architecture and WEB Technologies	II	2		1		4	E
UPB.03.M2.O.14-09	Fundamentals of Service Science	II	2		2		4	V
UPB.03.M2.O.14-10	Enterprise Resources Planning	II	2		1		4	E
UPB.03.M2.O.14-11	Business Analytics and Optimization for Enterprise	II	2		1		4	V
	Total didactic activities: 16 ore	II	10		5	1	20	
UPB.03.M4.O.14-12	R&D Activities: 12 ore	II			12		10	P
	Total	II			28		30	
UPB.03.M3.O.14-13	Applied AI and Rapid Deployment Automation	III	2			1	4	E
UPB.03.M3.A.14-14	Enterprise Modelling and Integration	III	2		1		4	V
Elective Course	IT Services and Project Management							
UPB.03.M3.O.14-15	Supply Chains and Logistics	III	2		2		4	E
UPB.03.M3.O.14-16	Multi-Agent Systems for Enterprise Control	III	2		1		4	E
UPB.03.M3.O.14-17	Distributed Data Bases and Knowledge Bases for Production	III	2			1	4	E
	Total didactic activities: 16 ore		10		4	2	20	
UPB.03.M4.O.14-18	R&D Activities: 12 ore	III			12		10	P
	Total	III			28		30	
	Total didactic activities: 0 ore	IV						
UPB.03.M4.O.14-19	Development of graduation project: 14 ore	IV			14		14	P/NP
UPB.03.M4.O.14-20	R&D Activities: 14 ore	IV			14		16	P
	Total	IV			28		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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