



Faculty of Automatic Control and Computers

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Study Plan of Master program Service Engineering and Management (SEM)

Code	Course	Sem.	C	S	L	P	ECTS	Evaluation (E, V, P)
UPB.03.M1.O.17-01	C11: Mathematical Modelling of Economic Processes	I	2		1		4	E
UPB.03.M1.O.17-02	C12: Data Mining and Data Warehousing	I	2		1		4	E
UPB.03.M1.O.17-03	C13: Architecture of Enterprise Information Systems	I	2			2	4	E
UPB.03.M1.O.17-04	C14: Network and Systems Security	I	2			1	4	E
UPB.03.M1.O.17-05 Elective course	C15a: Communication Management and Cognitive Psychology	I	2	1			4	V
	C15b: Foundations of Service Science		2	1				
	Total didactic activities: 16 hours		10	1	2	3	20	
UPB.03.M4.O.17-16	Research Project I: 12 hours	I	12				10	P
	Total	I	28				30	
UPB.03.M1.O.17-06	C21: Business Process Modelling	II	2		1		4	E
UPB.03.M2.O.17-07	C22: Web Services and Development Tools	II	2			1	4	E
UPB.03.M2.O.17-08	C23: Service Management. Strategy and Innovation	II	2		1		4	E
UPB.03.M2.O.17-09	C24: Supply Chain Management and Logistics	II	2			2	4	E
UPB.03.M2.O.17-10 Elective course	C25a: Accounting and Financial Management of Business	II	2	1			4	V
	C25b: Knowledge Engineering and Service Ecosystem		2	1				
	Total didactic activities: 16 hours		10	1	2	3	20	
UPB.03.M4.O.17-16	Research Project II: 12 hours	II	12				10	P
	Total	II	28				30	
UPB.03.M3.O.17-11	C31: Business Process Integration and Management	III	2		1		4	E
UPB.03.M3.O.17-12	C32: Marketing and Financial Performance of Business	III	2		1		4	V
UPB.03.M3.A.17-13	C33: Service Operations and Customer Relationship Management	III	2			2	4	E
UPB.03.M3.O.17-14	C34: Entrepreneurship and Intellectual Property	III	2			1	4	E
UPB.03.M3.O.17-15 Elective course	C35a: eServices for Administration and Business	III	2		1		4	E
	C35b: New Services with IoT and Mobile Technologies		2		1			
	Total didactic activities: 16 hours		10		3	3	20	
UPB.03.M4.O.17-16	Research Project III: 12 hours	III	12				10	P
	Total	III	28				30	
	Total didactic activities: 0 hours	IV						
UPB.03.M4.O.17-16	Research Project for dissertation: 14 hours	IV	14				16	P
UPB.03.M4.O.17-17	Development and defending the master thesis: 14 hours	IV	14				14	P/NP
	Total	IV	28				30	

Evaluation: E-exam; V-verification during the semester; P-project; P/NP – verification during the semester with qualifier passed / not passed

Director of master program SEM,
Professor Theodor Borangiu, Ph.D.