Transilvania University of Braşov, Romania

Study program: Engineering of Advanced Manufacturing Processes

Faculty: Technological Engineering and Industrial Management
Study period: 2 years (master)
Academic year structure: 2 semesters (14 weeks per semester)
Examination sessions (two):   winter session (January/February)
                                     summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

No. crt.	Course	Code	1st Semester					2nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Advanced Materials	IT.IPFA.I.01.01	2		2		5					
02	Technologies Used for Manufacturing Process	IT.IPFA.I.01.02	3		2	1	6					
03	Design of Experiments	IT.IPFA.I.01.03	2		2		5					
04	Sisteme ERP Systems	IT.IPFA.I.01.04	2		2		5					
05	Design for Manufacturing	IT.IPFA.02.01						2		1	2	6
06	Quality Management in Industry	IT.IPFA.02.02						2		2		5
07	Projects Management	IT.IPFA.02.03						2		1	1	5
08	Professional Intership I	IT.IPFA.I.01.05				10	9					
09	Professional Intership II	IT.IPFA.I.02.04									11	9
10	Polymer Chemistry	IT.IPFA.O.02.01						2		2		5

2nd Year

No. crt.	Course	Code	3rd Semester					4th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Organization Management	IT.IPFA.I.03.01	2	1	1		5					
02	Process Management and Improvement	IT.IPFA.I.03.02	2		2		5					
03	Professional Internship III	IT.IPFA.I.03.03				11	9					
04	Integrated Design and Manufacturing of Industrial Products							2		2		8
05	Professional Internship IV	IT.IPFA.I.04.02										12
06	Development of Master's Thesis	IT.IPFA.I.04.03										10
	Optional direction: Parts Manufacturing of Plastic Materials											
07	Injection Moulding	IT.IPFA.O.03.01	2		1	2	6					
08	Manufacturing Technologies for Plastic Parts	IT.IPFA.O.03.01	2		2		5					
	Optional direction: Bearings Manufacturing											
09	Advanced Manufacturing Technologies for Bearings	IT.IPFA.O.03.03	2		1	2	6					
10	Production Process Simulation	IT.IPFA.O.03.04	2		2		5					