

Transilvania University of Braşov, Romania

Study program: Engineering of Advanced Manufacturing Processes

Curriculum for ERASMUS + students

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	language of instruction	1 st Semester					2 nd Semester					
				C	S	L	P	Cred	C	S	L	P	Cred	
01	Advanced Materials	IT.IPFA.I.01.01	English	2		2		4						
02	Technologies Used for Manufacturing Process	IT.IPFA.I.01.02	English	3		2	1	5						
03	Design of Experiments	IT.IPFA.I.01.03	English	2		2		4						
04	ERP Systems	IT.IPFA.I.01.04	English	2		2		4						
05	Ethics and Academic integrity	IT.IPFA.I.01.05	English	1	1			3						
06	Design for Manufacturing	IT.IPFA.02.01	English						2		1	2	5	
07	Quality Management in Industry	IT.IPFA.02.02	English						2		2		5	
08	Projects Management	IT.IPFA.02.03	English						2		1	1	5	
09	Professional Intership I	IT.IPFA.I.01.05	English				7	10						
10	Professional Intership II	IT.IPFA.I.02.04	English									10	10	
11	Polymer Chemistry	IT.IPFA.O.02.01	English						2		2		5	

2nd Year

No. crt.	Course	Code	language of instruction	3 rd Semester					4 th Semester					
				C	S	L	P	Cred	C	S	L	P	Cred	
01	Organization Management	IT.IPFA.I.03.01	English	2	1	1		5						
02	Process Management and Improvement	IT.IPFA.I.03.02	English	2		2		5						
03	Professional Internship III	IT.IPFA.I.03.03	English				10	10						
04	Integrated Design and Manufacturing of Industrial Products		English						2		2		5	
05	Professional Internship IV	IT.IPFA.I.04.02	English										15	
06	Development of Master's Thesis	IT.IPFA.I.04.03	English										10	
	Optional direction: Parts Manufacturing of Plastic Materials		English											
07	Injection Moulding	IT.IPFA.O.03.01	English	2		1	2	5						
08	Manufacturing Technologies for Plastic Parts	IT.IPFA.O.03.01	English	2		2		5						
	Optional direction: Bearings Manufacturing		English											
09	Advanced Manufacturing Technologies for Bearings	IT.IPFA.O.03.03	English	2		1	2	5						
10	Production Process Simulation	IT.IPFA.O.03.04	English	2		2		5						