

**CURRICULUM -1st YEAR
2023-2024**

UNIVERSITY	George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureş	PROGRAMME OF STUDY	INDUSTRIAL ECONOMIC ENGINEERING
FACULTY	Faculty of Engineering and Information Technologies	TITLE AWARDED	Graduate engineer
FIELD OF STUDY	Management of engineering	OFFICIAL LENGHT OF THE PROGRAMME OF STUDY	4 YEARS
LEVEL OF QUALIFICATION	6	NUMBER OF ECTS/SECT CREDITS	60

No.	Educational activities Courses	Code/Type of courses	1st semester														2nd semester														Total academic year																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Formative categories **Activities**
DF Foundamental Course **c** Courses
DD Technical Course **s** Seminars
DS Specialized Course **lp** Practical exercises
DC Complementary Cours **p** Project

CURRICULUM - 2nd YEAR
2023-2024

UNIVERSITY	George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș	PROGRAMME OF STUDY	INDUSTRIAL ECONOMIC ENGINEERING
FACULTY	Faculty of Engineering and Information Technologies	TITLE AWARDED	Graduate engineer
FIELD OF STUDY	Management of engineering	OFFICIAL LENGHT OF THE PROGRAMME OF STUDY	4 YEARS
LEVEL OF QUALIFICATION	6	NUMBER OF ECTS/SECT CREDITS	60

No.	Educational activities Courses	Code/Type of courses		1st semester														2nd semester														Total academic year																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Formative categories **Activities**
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CURRICULUM- 3rd YEAR

2023-2024

UNIVERSITY	George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureş	PROGRAMME OF STUDY	INDUSTRIAL ECONOMIC ENGINEERING
FACULTY	Faculty of Engineering and Information Technologies	TITLE AWARDED	Graduate engineer
FIELD OF STUDY	Management of engineering	OFFICIAL LENGHT OF THE PROGRAMME OF STUDY	4 YEARS
LEVEL OF QUALIFICATION	6	NUMBER OF ECTS/SECT CREDITS	60

No.	Educational activities Courses	Code/Type of courses		1st semester														2nd semester														Total academic year				
				1st module (hours/week)							2nd module (hours/week)							3rd module (hours/week)							4th module (hours/week)											
				Cours	Sem	Lp	Pr	Stg	ECTS	Verif form	Cours	Sem	Lp	Pr	Stg	ECTS	Verif form	Cours	Sem	Lp	Pr	Stg	ECTS	Verif form	Cours	Sem	Lp	Pr	Stg	ECTS	Verif form	C	S,L,P,Stg	Indiv. Std	ECTS	
	Compulsory courses																																			
1	Manufacturing equipment I	IEI301	DS	4		4		4	E																					28	28	44	4			
2	Accounting	IEI302	DD	4	2		2	4	E																					28	28	44	4			
3	Production systems modelling and simulation	IEI303	DD	4	4			4	E																					28	28	44	4			
4	Project.Production systems modelling and	IEI304	DD				2	1	C																					0	14	11	1			
5	Fundamentals of Systems engineering	IEI305	DS							4	2				5	E														28	14	83	5			
6	Human Resources Management	IEI306	DD							4	2				4	C														28	14	58	4			
7	Manufacturing technologies I	IEI307	DS							4		4			4	C														28	28	44	4			
8	European legislation and management	IEI308	DS														2	4			3	C								14	28	33	3			
9	Electronics and Automation	IEI309	DD														4		2		3	E								28	14	33	3			
10	Technological devices I	IEI310	DD														4		2		3	E								28	14	33	3			
11	Engineering of Production Systems	IEI311	DS																				4	4				4	E	28	28	44	4			
12	Manufacturing equipment II	IEI312	DS																				4		4			4	E	28	28	44	4			
13	Investment projects analysis	IEI313	DS																				4	4		2		5	C	28	42	55	5			
14	On-site training	IEI314	DS	90																										4	C	0	90	10	4	
	Optional courses																													0	0	0	0			
15	Economic Statistics	IEI315/ IEI316	DD							4	2				4	C														28	14	58	4			
16	Manufacturing technologies II	IEI317/ IEI318	DD														4		2	2		4	E							28	28	44	4			
TOTAL		8 DD, 8DS		12	6	4	4	0	13	3E/ 1C	16	6	4	0	0	17	1E/ 3C	14	4	6	2	0	13	3E/ 1C	12	8	4	2	0	17	2E/ 2C	378	440	682	60	
TOTAL HOURS/ECTS				26							26							26							26							818		682	60	

Formative categories

DF Foundamental Course c Courses

DD Technical Course s Seminars

DS Specialized Course lp Practical exercises

DC Complementary Course p Project

CURRICULUM -4th YEAR
2023-2024

UNIVERSITY	George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș	PROGRAMME OF STUDY	INDUSTRIAL ECONOMIC ENGINEERING
FACULTY	Faculty of Engineering and Information Technologies	TITLE AWARDED	Graduate engineer
FIELD OF STUDY	Management of engineering	OFFICIAL LENGHT OF THE PROGRAMME OF STUDY	4 YEARS
LEVEL OF QUALIFICATION	6	NUMBER OF ECTS/SECT CREDITS	60

No.	Educational activities Courses	Code/Type of courses		1st semester														2nd semester														Total academic year				
				1st module (hours/week)							2nd module (hours/week)							3rd module (hours/week)							4th module (hours/week)											
				Cours	Sem	Lp	Pr	Stg	ECTS	Verif form	Cours	Sem	Lp	Pr	Stg	ECTS	Verif form	Cours	Sem	Lp	Pr	Stg	ECTS	Verif form	Cours	Sem	Lp	Pr	Stg	ECTS	Verif form					
	Compulsory courses																																			
1	Sustainable development management	IEI401	DS	4	4			4	E																											
2	Managerial Communication	IEI402	DD	2	2			2	C																											
3	Diagnosis and evaluation of production systems	IEI403	DS	4	4			5	E																											
4	Bases of Mechatronic Systems	IEI404	DS	4		2		4	C																											
5	Project. Managementul dezvoltarii durabile	IEI405	DS										2		1	C																				
6	Project. Diagnosis and evaluation of production systems	IEI406	DS										4		2	C																				
7	Quality Management	IEI407	DD							4	4				4	E																				
8	Industrial Design	IEI408	DD							4	2				4	E																				
9	Information systems in management	IEI409	DD							2	4				4	E																				
10	Enterprise Economy	IEI410	DS														4	4				3	E													
11	SME management	IEI411	DS														4	2				3	C													
13	Supply management	IEI413	DS														4	2		2		4	C													
12	Production management	IEI412	DD																					4			2		4	C						
14	Diploma project practical training	IEI414	DS																									70	4	C						
15	Diploma project drafting	IEI415	DS																	4							4		4	C						
	Optional courses																																			
16	Labour Law	IEI416/ IEI417	DD																					4	4				4	E						
17	Optimization of manufacturing processes	IEI418/ IEI419	DS																					4	2	2			4	E						
TOTAL		6 DD, 11DS		14	10	2	0	0		15	2E /2C	10	10	0	6	0	15	3E/ 2C	12	8	0	6	0	10	1E/ 2C	12	6	2	6	0	20	2E/ 3C	336	462	702	60
TOTAL HOURS/ECTS				26							26							26							26							798				

Formative categories **Activities**
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