

UNIVERSITY OF ORADEA FACULTY OF ENERGY ENGINEERING AND INDUSTRIAL MANAGEMENT Licence's Degree Program: INDUSTRIAL ECONOMICAL ENGINEERING Fundamental Field: Undergraduate Field: ENGINEERING AND MANAGEMENT Duration of studies / no. of credits: 4 years/240 credits Type of education: Full-time learning (IF)	Valid from academic year 2020-2021 Beginning with 1 st year of study
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CURRICULUM **
Year of study I

Code	Disciplines*	Type	Sem. I [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0301	Electrotechnics	DD	1	1	-	-	28	Ex	3	47	
IEMI-0783	Mechanical, resistance of materials	DD	1	1	-	-	28	Vp	3	47	
IEMI-0162	Computers programming and programming languages I	FD	2	-	2	-	56	Vp	6	94	
IEMI-0332	Linear algebra, analytical and differential geometry	FD	2	1	-	-	42	Ex	4	58	
IEMI-0338	Chemistry	FD	2	-	1	-	42	Ex	4	58	
IEMI-0756	Probability theory and mathematical statistics	FD	2	1	-	-	42	Ex	4	58	
IEMI-0784	Modern languages (english) I	CD	-	1	-	-	14	Vp	1	11	
IEMI-0418	Technical drawing and computer graphics	FD	3	-	2	-	70	Vp	5	55	
	TOTAL		13	5	5	-	322		30	428	
IEMI-0776	Physical education and sports I	CD	-	1	-	-	14	A/R	1	11	
	FACULTATIVE										
IEMI-0764	Contemporary economic doctrines	CD	3	2	-	-	70	Vp	3	5	
IEMI-0762	Modern Languages (Spanish I)	CD	-	1	-	-	14	Vp	1	11	

Code	Disciplines*	Type	Sem. II [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0509	Mechanisms and Machines parts	DD	1	1	-	-	28	Ex	3	47	
IEMI-0163	Computers programming and programming languages II	FD	1	-	2	-	42	Vp	3	33	
IEMI-0334	Mathematical analysis	FD	2	1	-	-	42	Ex	3	33	
IEMI-0337	Physics	FD	2	-	1	-	42	Ex	3	33	
IEMI-0340	Applied informatics	FD	2	-	2	-	56	Ex	5	69	
IEMI-0369	Fundamentals of economy	FD	2	2	-	-	56	Vp	5	69	
IEMI-0523	Computer Aided Graphics	FD	3	-	2	-	70	Vp	4	30	
IEMI-0785	Modern languages (english) II	CD	-	1	-	-	14	Vp	1	11	
	TOTAL		13	5	7	-	350		27	325	
	OBLIGATORII OPȚIONALE										
IEMI-0220	Communication	CD	1	1	-	-	28	Vp	3	47	
IEMI-0788	Academic Ethics and Integrity	CD	1	1	-	-	28	Vp	3	47	
	TOTAL		1	1	-	-	28		3	47	
IEMI-0777	Physical education and sports II	CD	-	1	-	-	14	A/R	1	11	
	FACULTATIVE										
IEMI-0765	Environment protection	CD	2	2	-	-	56	Vp	2	0	
IEMI-0763	Modern Languages (Spanish II)	CD	-	1	-	-	14	Vp	1	11	

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CURRICULUM **
Year of study II

Code	Disciplines*	Type	Sem. III [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0446	Textile fibers	DD	2	-	2	-	56	Ex	6	94	
IEMI-0499	Textile structures-knits	DD	2	-	2	-	56	Ex	5	69	
IEMI-0682	Textile structures-yarn	DD	2	-	2	-	56	Ex	5	69	
IEMI-0766	The basics of the technological project assisted by the computer	DD	2	-	2	-	56	Vp	5	69	
IEMI-0027	Fundamentals of Management	DD	2	2	-	-	56	Ex	4	44	
IEMI-0354	Economical legislation	DD	2	2	-	-	56	Vp	4	44	
IEMI-0786	Modern languages (english) III	CD	-	1	-	-	14	Vp	1	11	
	TOTAL		12	5	8	-	350		30	400	
IEMI-0778	Physical education and sports III	CD	-	1	-	-	14	A/R	1	11	
	FACULTATIVE										
IEMI-0678	Philosophy	CD	2	2	-	-	56	Vp	3	19	
IEMI-0767	Legislative framework of organizational behavior	CD	2	2	-	-	56	Vp	3	19	

Code	Disciplines*	Type	Sem. IV [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0683	Textile structures-fabrics	DD	2	-	2	-	56	Ex	5	69	
IEMI-0416	Comfort and functions of leather and textile products	DD	2	-	2	-	56	Ex	4	44	
IEMI-0424	Metrology in textile- leather	DD	2	-	2	-	56	Vp	4	44	
IEMI-0768	Primary materials for skin textiles	DD	2	-	2	-	56	Ex	4	44	
IEMI-0787	Modern languages (english) IV	CD	-	1	-	-	14	Vp	1	11	
IEMI-0066	Practice I	DD	-	-	-	-	90	Cv	4	10	
	TOTAL		8	1	8	-	328		22	222	
	OBLIGATORII OPȚIONALE										
	PACHET 1										
IEMI-0348	Competition law	SD	2	1	-	-	42	Ex	4	58	
IEMI-0350	Work law	SD	2	1	-	-	42	Ex	4	58	
	PACHET 2										
IEMI-0674	Company Management	SD	2	3	-	-	70	Vp	4	30	
IEMI-0782	Initiation and development of a business	SD	2	3	-	-	70	Vp	4	30	
	TOTAL		4	4	-	-	112		8	88	
IEMI-0779	Physical education and sports IV	CD	-	1	-	-	14	A/R	1	11	
	FACULTATIVE										
IEMI-0365	Work psychology	SD	2	2	-	-	56	Vp	4	44	

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Year of study III

Code	Disciplines*	Type	Sem. V [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0478	Structure and design of footwear and leather articles	DD	2	-	1	2	70	Ex	6	80	
IEMI-0497	Garments structure and design	DD	2	-	2	1	70	Ex	6	80	
IEMI-0242	Engineering of Production Systems	SD	2	-	-	2	56	Ex	5	69	
IEMI-0156	Marketing	DD	2	2	-	-	56	Vp	4	44	
IEMI-0153	Quality management	DD	2	2	-	-	56	Ex	5	69	
	TOTAL		10	4	3	5	308		26	342	
	OBLIGATORII OPTIOALE										
IEMI-0583	Accounting	DD	2	2	-	-	56	Vp	4	44	
IEMI-0773	E-commerce	DD	2	2	-	-	56	Vp	4	44	
	TOTAL		2	2	-	-	56		4	44	

Code	Disciplines*	Type	Sem. VI [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0503	Technologies and equipments in clothing	SD	2	-	1	2	70	Ex	5	55	
IEMI-0504	Technologies and equipments in knitting work	SD	2	-	1	2	70	Ex	5	55	
IEMI-0770	Operations and machinery in pielery textile	SD	2	-	1	2	70	Ex	5	55	
IEMI-0601	Environment management	DD	2	2	-	-	56	Vp	4	44	
IEMI-0771	Information systems in management	DD	2	-	2	-	56	Ex	4	44	
IEMI-0067	Practice II	SD	-	-	-	-	90	Cv	4	10	
	TOTAL		10	2	5	6	412		27	263	
	OBLIGATORII OPTIOALE										
IEMI-0694	Financial Economic Analysis	DD	2	1	-	-	42	Vp	3	33	
IEMI-0743	Managerial Communication	DD	2	1	-	-	42	Vp	3	33	
	TOTAL		2	1	-	-	42		3	33	

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Code	Disciplines*	Type	Sem. VII [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0029	Strategic Management	DD	2	2	-	-	56	Ex	5	69	
IEMI-0391	Human resources management	DD	2	2	-	-	56	Ex	5	69	
IEMI-0406	Finishing of leather and leather-substitute products	DD	1	-	2	-	42	Vp	3	33	
IEMI-0409	Finishing of textile products	DD	1	-	2	-	42	Vp	3	33	
	TOTAL		6	4	4	-	196		16	204	
	OBLIGATORII OPŢIONALE										
	PACHET 1										
IEMI-0619	Computer Assisted Design in the field of knitting	SD	2	-	2	-	56	Ex	5	69	
IEMI-0689	Computer Assisted Design in the field of the Ready- Made clothes	SD	2	-	2	-	56	Ex	5	69	
	PACHET 2										
IEMI-0525	Computer aided design in footwear	SD	2	-	2	-	56	Ex	5	69	
IEMI-0723	Computer aided design of leather articles	SD	2	-	2	-	56	Ex	5	69	
	PACHET 3										
IEMI-0122	Project management	SD	2	1	-	-	42	Vp	4	58	
IEMI-0772	Methods of research in management	SD	2	1	-	-	42	Vp	4	58	
	TOTAL		6	1	4	-	154		14	196	

Code	Disciplines*	Type	Sem. VIII [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII IMPUSE										
IEMI-0382	Financial management	DD	2	2	-	-	56	Ex	4	44	
IEMI-0602	Production Management	DD	2	2	-	-	56	Ex	4	44	
IEMI-0769	Product analysis	SD	2	1	-	-	42	Vp	3	33	
IEMI-0774	Organizational culture business ethics	SD	2	2	-	-	56	Vp	3	19	
IEMI-0435	Control and quality auditing in the Leather Manufacturing Industry	SD	2	-	1	-	42	Ex	3	33	
IEMI-0585	Control and quality assurance in textiles	SD	2	-	1	-	42	Ex	3	33	
IEMI-0679	Practice for diploma	SD	-	-	-	-	60	Cv	4	40	
IEMI-0714	Preparing the Graduation Project	SD	-	-	-	4	56	Vp	4	44	
	TOTAL		12	7	2	4	410		28	290	
	OBLIGATORII OPŢIONALE										
IEMI-0775	Work study	SD	1	1	-	-	28	Vp	2	22	
IEMI-0849	Antreprenoriat	SD	1	1	-	-	28	Vp	2	22	
	TOTAL		1	1	-	-	28		2	22	

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VIII. DISTRIBUTION OF CREDITS ACCORDING TO COMPETENCES (TABLES NRQHE /ARACIS - Grid 1 *)

No.	Discipline**	Sem.	Number of credits	Professional Competences						Transversal Competences		
				C1	C2	C3	C4	C5	C6	CT1	CT2	CT3
1.	Electrotechnics	I	3	2	1							
2.	Mechanical, resistance of materials	I	3	2	1							
3.	Computers programming and programming languages I	I	6	2		2					1	1
4.	Linear algebra, analytical and differential geometry	I	4	4								
5.	Chemistry	I	4	3	1							
6.	Probability theory and mathematical statistics	I	4	3	1							
7.	Modern languages (english) I	I	1	1								
8.	Technical drawing and computer graphics	I	5	1	1	1				1	1	
9.	Physical education and sports I	I	1	1								
10.	Contemporary economic doctrines	I	3	1						1	1	
11.	Modern Languages (Spanish I)	I	1									1
12.	Mechanisms and Machines parts	II	3	2	1							
13.	Computers programming and programming languages II	II	3	1							1	1
14.	Mathematical analysis	II	3	3								
15.	Physics	II	3	3								
16.	Applied informatics	II	5	2	1	1						1
17.	Fundamentals of economy	II	5	2	1					1	0.5	0.5
18.	Computer Aided Graphics	II	4	1	1	1						1
19.	Modern languages (english) II	II	1	1								
20.	Physical education and sports II	II	1	1								
21.	Communication	II	3	2	1							
22.	Academic Ethics and Integrity	II	3	2	1							
23.	Environment protection	II	2	2								2
24.	Modern Languages (Spanish II)	II	1									1
25.	Textile fibers	III	6	1	3				1			1
26.	Textile structures-knits	III	5	1	1		1		1			1
27.	Textile structures-yarn	III	5	1	1		1		1			1
28.	The basics of the technological project assisted by the computer	III	5			3	1					1
29.	Fundamentals of Management	III	4	1	1		1			1		
30.	Economical legislation	III	4	2		1					1	
31.	Modern languages (english) III	III	1	1								
32.	Physical education and sports III	III	1	1								
33.	Philosophy	III	3									3
34.	Legislative framework of organizational behavior	III	3									3
35.	Textile structures-fabrics	IV	5	1	1	1			1			1
36.	Comfort and functions of leather and textile products	IV	4	2		1					1	
37.	Metrology in textile- leather	IV	4		1				1	1		1
38.	Primary materials for skin textiles	IV	4	2		1					1	
39.	Modern languages (english) IV	IV	1	1								
40.	Practice I	IV	4	2	2							
41.	Physical education and sports IV	IV	1	1								
42.	Competition law	IV	4	2	1						1	
43.	Work law	IV	4	2	1						1	

44.	Company Management	IV	4	1		1					1	1
45.	Initiation and development of a business	IV	4	2	1							1
46.	Work psychology	IV	4	2	2							
47.	Structure and design of footwear and leather articles	V	6	2	2	1						1
48.	Garments structure and design	V	6	2	1	1	1				1	1
49.	Engineering of Production Systems	V	5	2	1	1					1	
50.	Marketing	V	4	2	1						1	
51.	Quality management	V	5	2	1					1		1
52.	Accounting	V	4	1	1						1	1
53.	E-commerce	V	4	1	1					1	1	
54.	Technologies and equipments in clothing	VI	5	1	1		1	1			1	
55.	Technologies and equipments in knitting work	VI	5	1	1		1	1			1	
56.	Operations and machinery in pielery textile	VI	5	1	1	1				1	1	
57.	Environment management	VI	4	1	1						1	1
58.	Information systems in management	VI	4	2		2						
59.	Practice II	VI	4	2	2							
60.	Financial Economic Analysis	VI	3	1	1							1
61.	Managerial Communication	VI	3	1	1							1
62.	Strategic Management	VII	5	2	2						1	
63.	Human resources management	VII	5		1	1	1			1	1	
64.	Finishing of leather and leather-substitute products	VII	3	1		1						1
65.	Finishing of textile products	VII	3	1		1						1
66.	Computer Assisted Design in the field of knitting	VII	5	1		1		1			1	1
67.	Computer Assisted Design in the field of the Ready- Made clothes	VII	5	1		1		1			1	1
68.	Computer aided design in footwear	VII	5	1		1		1			1	1
69.	Computer aided design of leather articles	VII	5	1		1		1			1	1
70.	Project management	VII	4	1	1						1	1
71.	Methods of research in management	VII	4	1	1						1	1
72.	Financial management	VIII	4	1	1						1	1
73.	Production Management	VIII	4	1	1						1	1
74.	Product analysis	VIII	3	1	1					1		
75.	Organizational culture business ethics	VIII	3	1	1							1
76.	Control and quality auditing in the Leather Manufacturing Industry	VIII	3	3								
77.	Control and quality assurance in textiles	VIII	3	3								
78.	Practice for diploma	VIII	4	2	2							
79.	Preparing the Graduation Project	VIII	4	2								
80.	Work study	VIII	2	2								
81.	Antreprenoriat	VIII	2	2								

Legendă: C1 ÷ C5 sau C6 - Competențe profesionale; CT1 ÷ CT3 - Competențe transversale

* Se va utiliza Grila 1 (G1) care prezintă variantele: G1L și G1M corepunzătoare ciclurilor de studii de licență și masterat, în conformitate cu Ordinul MECS nr. 5703 / 18.10.2011.

** Se vor trece toate disciplinele din Planul de Învățământ