CURRICULUM of the 2021 – 2023 cohort

Transilvania University of Brașov

INDUSTRIAL BUSINESS MANAGEMENT AND Master's Study Programme **ENTREPRENEURSHIP** Fundamental field **ENGINEERING SCIENCES** Field of master's study ENGINEERING AND MANAGEMENT FACULTY OF TECHNOLOGICAL ENGINEERING AND INDUSTRIAL Faculty MANAGEMENT Duration of study **4 SEMESTERS** Study type: Full-time (FT) Type of master's programme: research

Transilvania University of Braşov

Ministry of Education Valid for the academic year 2021-2022

Faculty: Technological Engineering and Industrial Management Valid for the Master's study programme: Industrial Business Management and Entrepreneurship

Fundamental field: Engineering Sciences

Field of Master's Study: Engineering and Management

Duration of study: 4 semesters

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YEAR I

	C		Code of		Contract of the	S	emest	er l				S	eme	ester II	
No	Compulsory course units	Туре*	course unit	С	S	L	P ***	Ver.	Crd.	С	S	L	Ρ	Ver.	Crd.
1	Strategies in investment management	PC	IT.M.1.01.I	2	1		1	E	5						
2	Academic Integrity and Ethics	DC	IT.M.1.02.I	1	1			V	2						
3	Financial Management	PC	IT.M.1.03.I	2	1		1	E	5						
4	Sales management	PC	IT.M.1.04.I	2		1		E	4						
5	Design of the Lean Enterprise	SC	IT.M.1.05.I	2	1			E	4						
6	Practical activities for Research and Design 1	SC **	IT.M.1.06.I				12	V	10						
То	tal hours of compulsory co		norwook	9	4	1	14	4E+2V						1.4	
10	tal nours of compulsory co	unse units	per week		2	8			30						

	Compulsony course	Type*	Code of			Sei	nester	1				S	emes	ter ll	
No	Compulsory course units		course unit	С	S	L	Ρ	Ver.	Crd.	С	S	L	Ρ	Ver.	Crd.
1	Management of robust design	PC	IT.M.2.01.I							2	1		1	E	5
2	Practical activities for research and design 2	SC **	IT.M.2.02.I				*						12	V	10
Tot	al hours of compulsory c	ts per week	-						2	1		13	1E+1V	15	
										10	D				

	Elective course	Туре	Code of			Sen	neste	r١				Sei	meste	er II	
No	units	*	course unit	С	S	L	Р	Ver.	Crd.	С	S	L	Р	Ver.	Crd.
		C	ne course unit	will be	e sele	cted	from	each pa	ackage:						
Electi	ve package 1							~ × ×							
3.	Entrepreneurship and Managerial Innovation	SC	IT.M.2.31.0							2			2	E	5
	Advanced Entrepreneurship	-	IT.M.2.32.O												
Electi	ve package 2														
	Sustainable Industrial Design		IT.M.2.41.0												
4.	Product Development and Prototyping	PC	IT.M.2.42.0				10			2		1	1	E	5
Electi	ve package 3			-											
5.	Company recovery	PC	IT.M.2.51.0						×	2	1		1	E	5
5.	Global Strategic Management	PC	IT.M.2.52.O							2	T		1	E	Э
										6	1	1	4	3E	15
То	Total hours of elective course units per week 12														
	Tota										2	.8			30

Non-compulsory course units					Jenne	ster l					Seme	SICI		
oo ar o c ar n to		course unit	С	S	L	Р	Ver.	Crd	С	S	L	Р	Ver.	Crd
stem safety anagement	PC	IT.M.1.01.F	2	55 D	2		E	4						
anagement of dustrial actuation stems	AC	IT.M.2.02.F							2		2		E	4
urs of non-compute	0.000	rea unite nor	2	-	2	-			2		2			
				4			1E	4		4			1E	4
ar du st	nagement of ustrial actuation eems rs of non-compuls	nagement nagement of ustrial actuation AC cems rs of non-compulsory cour	nagement nagement of ustrial actuation AC IT.M.2.02.F	rs of non-compulsory course units per 2	nagement of ustrial actuation AC IT.M.2.02.F rs of non-compulsory course units per 2 -	nagement of ustrial actuation AC IT.M.2.02.F 2 - 2	nagement of ustrial actuation AC IT.M.2.02.F 2 - 2 -	nagement of ustrial actuation AC IT.M.2.02.F 2 - 2 -	nagement of ustrial actuation AC IT.M.2.02.F 2 - 2 - 15 4	nagement of ustrial actuation AC IT.M.2.02.F 2 - 2 - 2	nagement of ustrial actuation AC IT.M.2.02.F 2 - 2 - 2 - 2	nagement in agement of ustrial actuation AC IT.M.2.02.F 2 - 2 - 2 2 2	nagement in agement of ustrial actuation AC IT.M.2.02.F 2 - 2 - 2 2 2	nagement in agement of ustrial actuation AC IT.M.2.02.F 2 - 2 - 2 2 E E E E E COMPARENT COMPUSORY COURSE UNITS PER 15 - 4 - 15 - 15

PCProficiency course unitsSCSynthesis course unitsACAdvanced course units

Partially assisted activities

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- ***) C
 - S Seminar
 - L Laboratory work

Lecture

- P Project
- Ver Assessment
- Crd Credit points

Prof Eng. Ioan Vasile ABRUDAN, PhD Rector 10144 016 10 00910-... ____

Associate Prof Eng. Flavius SÂRBU, PhD Head of Department

Prof Eng. Gheorghe OANCEA, PhD Dean

Prof Eng. Andrea DEACONESCU, PhD Study programme coordinator

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YEAR II

No			Code of			5	Semest	er l				Se	mest	er II	
	Compulsory course units	Type*	course unit	С	S	L	Р	Ver.	Crd.	С	S	L	Ρ	Ver.	Crd.
	units	11			I	I	***							-	
1	Advanced Industrial Business Management	AC	IT.M.3.01.I	2	1		1	E	5						
2	Risk management in industrial business	AC	IT.M.3.02.I	2		1	1	E	5						
3	Practical activities for research and design 3	SC **	IT.M.1.03.I				12	V	10						
Toto	hours of compulsory		its par wook	4	1	1	14	2E+1V							
TOLA	I hours of compulsory of	Louise ui	nts per week			20			20	2.1					

	Elective course		Code of			Seme	ster l			2.4		Seme	ester	· 11	
No	units	Type*	course unit	С	S	L	Р	Ver.	Crd.	С	S	L	Р	Ver.	Crd.
			One course un	it will b	e selec	ted fro	m ea	ch pack	age:						
Electi	ve package 1														
4.	Communication and negotiation in business	AC	IT.M.3.41.0	2	9 7 X	1	1	E	5						
	Organizational communication		IT.M.3.42.0			i.		15	*10) -						
Electi	ve package 2		× × ,	× 1											
5.	International economic relations	PC	IT.M.3.51.0	2	2	192 1 15 15		E	5						
5.	Products and Services for a Global Market		IT.M.3.52.0	2	2				5		×				
				4	2	1	1	2E	10						
Tot	tal hours of elective c	ourse un	its per week		. 8						-				
	Tota	al			28	8			30						

	Compulsory course	Type*	Code of			Sen	neste	r١				Ser	neste	er II	
No	units		course unit	С	S	L	Ρ	Ver.	Crd.	С	S	L	Ρ	Ver.	Crd.
1	Digital data acquisition and processing systems	SC	IT.M.4.01.I							2		2		E	5
2	Practical activity and scientific research for dissertation	SC **	IT.M.4.02.I							V			8	V	10
3	Practical activities for research and design 4	SC **	IT.M.4.03.I					3					12	V	10
Tota	I hours of compulsory o	iits per week							2	24	2	20	1E+2V	25	

N	Elective course units	Type*	Code of	1.17		Seme	ster l	for the			Se	meste	er II	
No	Elective course units		course unit	С	S	L P	Ver.	Crd.	С	S	L	Р	Ver	Crd.
		Or	ne course unit w	ill be	sele	cted fro	m each	n packag	ge:				ann bear	
Electi	ve package 1								- 1928					
4.	Informatics for managers	PC	IT.M.4.41.0				_	- 13944	2		2		E	5
	Project management		IT.M.4.42.0							-				
_				· · ·					2		2		1E	5
Т	otal hours of elective co	urse units	s per week							4				
	Total				~	1914				28	3			30

	Non-compulsory	Тур	Code of			Sen	neste	r١				Sen	nester	·	
No	course units	e*	course unit	С	S	L	Р	Ver.	Crd.	С	S	L	Р	Ver	Crd.
1.	Intellectual property in industrial business	SC	IT.M.3.03.F	1			1	E	3						
2.	Development of industrial businesses	AC	IT.M.4.04.F							2			2	E	4
	Total hours of non-compulsory course units per week assessments (Ver.) and credit points (Crd)				-	-	1	1E	3	2	4		2	1E	4

*) PC Proficiency course units SC Synthesis course units AC Advanced course units

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Partially assisted activities

Prof Eng. Ioan Vasile ABRUDAN, PhD Rector

Spicers P.W.

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Associate Prof Eng. Flavius SÂRBU, PhD Head of Department C Lecture

- S Seminar L Laborato
 - Laboratory work
- P Project
- Ver Assessment
- Crd Credit points

Prof Eng. Gheorghe OANCEA, PhD Dean

Prof Eng. Andrea DEACONESCU, PhD Study programme coordinator

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GENERAL OVERVIEW |

		No o	f hours	То	tal	Credit	points
No	Course units	Year I	Year II	hours	%	Year I	Year II
1	Compulsory	280	168	448	57.15	30	30
2	Elective	168	168	336	42.85	30	30
	TOTAL		78	34			
3	Non-compulsory	112	84	196	-	8	7

GENERAL OVERVIEW II

		No of	fhours	То	tal	Credit	t points
No	Course units	Year I	Year II	hours	%	Year I	Year II
1	Fully assisted course units	448	336	784	50,00	40	30
2	Specialist practical activity	336	336	672	42,86	20	20
3	Practical activity for devising the dissertation		112	112	7,14	-	10
	TOTAL	784	784	1568	199	60	60



Head of Department

Prof Eng. Gheorghe OANCEA, PhD Dean

Prof Eng. Andrea DEACONESCU, PhD Study programme coordinator