

UNIVERSITATEA "LUCIAN BLAGA" DIN SIBIU
"LUCIAN BLAGA" UNIVERSITY OF SIBIU

Facultatea de Științe

Faculty of Sciences

Domeniul: Matematică

Main field of study: Mathematics

Specializarea: Matematică informatică

Specialization: Mathematics informatics

Titlul absolventului: Licentiat în Matematică informatică / Conferred title: Bachelor degree in Mathematics informatics

Durata studiilor: 3 ani / Duration of studies: 3 years

Forma de învățământ: Învățământ cu frecvență (IF) / Form of education: Full-time

Valabil / Valid

Începând cu anul universitar 2023-2024
 starting with the academic year 2023-2024
 pentru anul universitar 2023-2024
 for the academic year 2023-2024

PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

ANUL 1 / 1st YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1/ 1st Semester							Semestrul 2/ 2nd Semester								
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	P	Alte	Ver. Eval.	Cred. Cred.		
1.1	Analiza matematica: calculul diferential pe Rn / Mathematical analysis: differential calculus on Rn	FSTI.MAI.MI.L.FO.1.2200.E-6.1	2	2				Examen	6									
1.2	Algebra liniara / Linear algebra	FSTI.MAI.MI.L.FO.1.2200.E-6.2	2	2				Examen	6									
1.3	Sisteme de operare / Operating systems	FSTI.MAI.MI.L.SO.1.2020.E-5.3	2		2			Examen	5									
1.4	Elemente de topologie generala / Elements of general topology	FSTI.MAI.MI.L.SO.1.2200.E-5.4	2	2				Examen	5									
1.5	Programare procedurala / Procedural programming	FSTI.MAI.MI.L.FO.1.2020.E-5.5	2		2			Examen	5									
1.6	Limba straina / Foreign language	FSTI.MAI.MI.L.CO.1.0200.C-3.6		2				Colocviu	3									
1.7	Educatie fizica 1 / Physical education 1	FSTI.MAI.MI.L.CO.1.0100.V-1.7		1				Verificare	1									
2.1	Analiza matematica: calculul integral pe Rn / Mathematical analysis: integral calculus on Rn	FSTI.MAI.MI.L.FO.2.2200.E-6.1								2	2				Examen	6		
2.2	Programare orientata pe obiecte / Object-oriented programming	FSTI.MAI.MI.L.FO.2.2020.E-6.2								2		2			Examen	6		
2.3	Logica matematica si teoria multimilor / Mathematical logic and set theory	FSTI.MAI.MI.L.FO.2.2200.E-6.3								2	2				Examen	6		
2.4	Structuri algebrice / Algebraic structures	FSTI.MAI.MI.L.FO.2.2200.E-6.4								2	2				Examen	6		
2.5	Geometrie analitica si diferentia / Analytic and differential geometry	FSTI.MAI.MI.L.FO.2.1100.C-6.5								2	2				Colocviu	6		
2.6	Educatie fizica 2 / Physical education 2	FSTI.MAI.MI.L.CO.2.0100.V-1.6									1				Verificare	1		
			10	9	4			5E+1V+ 1C+0P+0 A/R	31	10	9	2			4E+1V+ 1C+0P+0 A/R	31		
TOTAL ORE PE SAPTAMANA/ TOTAL NUMBER OF HOURS/WEEK			23						31		21							
			TOTAL S1:						31		TOTAL S2:						31	
Discipline facultative la propunerea facultății/ Facultative subjects proposed by faculty																		
1.8	Algoritmi fundamentali / Fundamental algorithms	FSTI.MAI.MI.L.SU.1.2020.E-5.8	2		2			Examen	5									
2.7	Tehnici de programare / Programming techniques	FSTI.MAI.MI.L.SU.2.2020.E-5.7								2		2			Examen	5		
			2		2			1E+0V+ 0C+0P+0 A/R	5	2		2			1E+0V+ 0C+0P+0 A/R	5		
TOTAL ORE PE SAPTAMANA DISCIPLINE FACULTATIVE TOTAL NUMBER OF HOURS/WEEK (FACULTATIVE SUBJECTS)			4								4							
			TOTAL S1:						5		TOTAL S2:						5	

Rector/Rector ,
Prof.univ.dr.habil.Sorin RADU

Decan/Dean,
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PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

ANUL 2 / 2nd YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1/ 1st Semester							Semestrul 2/ 2nd Semester								
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	P	Alte	Ver. Eval.	Cred. Cred.		
3.1	Teoria probabilitatilor / Probability theory	FSTI.MAI.MIL.FO.3.2200.E-5.1	2	2				Examen	5									
3.2	Analiza reala si elemente de teoria masurii / Real analysis and elements of measure theory	FSTI.MAI.MIL.FO.3.2200.E-6.2	2	2				Examen	6									
3.3	Teoria numerelor / Number theory	FSTI.MAI.MIL.FO.3.2200.C-6.3	2	2				Colocviu	6									
3.4	Rețele de calculatoare si servere / Computers networks and servers	FSTI.MAI.MIL.SO.3.2020.E-6.4	2		2			Examen	6									
3.5	Educatie fizica 3 / Physical education 3	FSTI.MAI.MIL.CO.3.0100.V-1.5		1				Verificare	1									
3.6	Embedded systems / Embedded systems	Optional 1	2	2				Colocviu	5									
3.7	Algebra 3 / Algebra 3																FSTI.MAI.MIL.SA.3.2200.C-5.7	
3.8	Structuri de date / Data structures	Optional 2	2		2			Examen	3									
3.9	Sisteme distribuite / Dtributed systems																FSTI.MAI.MIL.SA.3.2020.E-3.9	
4.1	Analiza complexa / Complex analysis	FSTI.MAI.MIL.FO.4.2200.E-5.1								2	2				Examen	5		
4.2	Analiza numerica / Numerical analysis	FSTI.MAI.MIL.SO.4.2020.E-5.2								2		2			Examen	5		
4.3	Ecuatii diferentiale / Differential equations	FSTI.MAI.MIL.FO.4.2200.E-5.3								2	2				Examen	5		
4.4	Analiza functionala / Functional analysis	FSTI.MAI.MIL.SO.4.2200.E-5.4								2	2				Examen	5		
4.5	Practica de specialitate / Practical activity	FSTI.MAI.MIL.SO.4.P.C-3.5												125*	Verificare	5		
4.6	Educatie fizica 4 / Physical education 4	FSTI.MAI.MIL.CO.4.0100.V-1.6									1				Verificare	1		
4.7	Inteligenta artificiala / Artificial intelligence	Optional 3								2		2			Examen	4		
4.8	Baze de date / Databases																FSTI.MAI.MIL.SA.4.2020.E-4.8	
4.9	Metode avansate de programare / Advanced programming methods																FSTI.MAI.MIL.SA.4.2020.E-4.9	
			12	9	4				4E+1V+2C+0P+0A/R	32	10	7	4			5E+2V+0C+0P+0A/R	30	
TOTAL ORE PE SAPTAMANA/ TOTAL NUMBER OF HOURS/WEEK			25							21								
			TOTAL S1:							32	TOTAL S2:							30
Discipline facultative la propunerea facultății/ Facultative subjects proposed by faculty																		
3.11	Dezvoltarea aplicatiilor WEB / WEB application development	FSTI.MAI.MIL.SU.3.2020.E-5.10	2		2			Examen	5									
4.10	Tehnici avansate de programare / Advanced programming techniques	FSTI.MAI.MIL.SU.4.2020.C-4.10								2		2			Colocviu	4		
Discipline facultative transversale la propunerea ULBS/ Transversal facultative subjects proposed by ULBS.																		
1	Limba străină (secundară) I / Foreign language (secondary) I	ULBS.ULBS.ULBS.L.TU.3.0200.C-3.1		2				Colocviu	3									
2	Tehnici de prezentare / Presentation techniques	ULBS.ULBS.ULBS.L.TU.3.0002.P-3.2				2		Proiect	3									
3	Educație digitală / Digital education	ULBS.ULBS.ULBS.L.TU.3.0200.C-3.3		2				Colocviu	3									
4	Retorică argumentare și dezbateri / Rhetoric, argumentation and debate	ULBS.ULBS.ULBS.L.TU.3.0200.C-3.4		2				Colocviu	3									
5	Limba străină (secundar) II / Foreign language (secondary) II	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.1									2				Colocviu	3		
6	Limba română. Compoziție și stil / Romanian language. Composition and style	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.2									2				Colocviu	3		
7	Scriere academica / Academic writing	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.3									2				Colocviu	3		
8	Echitate socială și nondiscriminare / Social equity and non-discrimination	ULBS.ULBS.ULBS.L.TU.4.0200.C-3.4									2				Colocviu	3		
			2	6	2	2			1E+0V+3C+1P+0A/R	17	2	8	2			0E+0V+5C+0P+0A/R	16	
TOTAL ORE PE SAPTAMANA DISCIPLINE FACULTATIVE TOTAL NUMBER OF HOURS/WEEK (FACULTATIVE SUBJECTS)			12							12								
			TOTAL S1:							17	TOTAL S2:							16

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PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

ANUL 3 / 3rd YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1/ 1st Semester							Semestrul 2/ 2nd Semester								
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	P	Alte	Ver. Eval.	Cred. Cred.		
5.1	Ecuatii cu derivate partiale / Partial differential equations	FSTI.MAI.MI.L.SO.5.2200.E-5.1	2	2				Examen	5									
5.2	Statistica matematica / Mathematical statistics	FSTI.MAI.MI.L.SO.5.2020.E-5.2	2		2			Examen	5									
5.3	Teoria aproximarii pe spatii abstracte / Approximation theory on abstract spaces	FSTI.MAI.MI.L.SO.5.2200.E-5.3	2	2				Examen	5									
5.4	Tehnici de optimizare / Optimization techniques	FSTI.MAI.MI.L.SO.5.2200.C-5.4	2	2				Colocvii	5									
5.5	Modelare matematica / Mathematical modeling	FSTI.MAI.MI.L.SA.5.1200.E-5.5	1	2				Examen	5									
5.6	Etica si integritate academica / Ethics and academic integrity	FSTI.MAI.MI.L.CA.5.1200.E-5.6																
5.7	Complemente de matematici elementare 1 / Complements of elementary mathematics 1	FSTI.MAI.MI.L.FA.5.2200.E-5.7																
5.8	Securitatea sistemelor informatice / Information systems security	FSTI.MAI.MI.L.SA.5.1200.E-5.8																
5.9	Teoria geometrica a functiilor analitice / Geometric theory of analytic functions	FSTI.MAI.MI.L.SA.5.1300.E-5.9	1	3				Examen	5									
5.10	Tehnologii avansate de dezvoltare software / Advanced software development technologies	FSTI.MAI.MI.L.SA.5.1300.E-5.10																
5.11	Elemente de teoria functiilor intregi / Elements of integer functions theory	FSTI.MAI.MI.L.SA.5.1300.E-5.11																
6.1	Software matematic / Mathematical software	FSTI.MAI.MI.L.SO.6.2020.E-5.1								2		2			Examen	5		
6.2	Algoritmica grafurilor / Graph algorithms	FSTI.MAI.MI.L.CO.6.2020.C-4.2								2		2			Colocvii	4		
6.3	Elaborarea lucrarii de licenta / Preparation of bachelor thesis	FSTI.MAI.MI.L.SO.6.0200.C-7.3									2				Colocvii	7		
6.4	Complemente de matematici elementare 2 / Complements of elementary mathematics 2	FSTI.MAI.MI.L.FA.6.2200.C-4.4								2	2				Colocvii	4		
6.5	Elemente de teoria fractalilor / Elements of fractals theory	FSTI.MAI.MI.L.FA.6.2200.C-4.5																
6.6	Introducere in prelucrarea digitala a semnalelor / Introduction to digital signal processing	FSTI.MAI.MI.L.SA.6.2200.E-5.6								2	2				Examen	5		
6.7	Mecanica teoretica / Theoretical mechanics	FSTI.MAI.MI.L.FA.6.2200.E-5.7																
6.8	Calcul variational / Calculus of variations	FSTI.MAI.MI.L.FA.6.2200.E-5.8																
6.9	Operatori liniari / Linear operators	FSTI.MAI.MI.L.SA.6.2200.E-5.9								2	2				Examen	5		
6.10	Spatii de functii / Function spaces	FSTI.MAI.MI.L.SA.6.2200.E-5.10																
6.11	Modele matematice in informatica / Mathematical models in informatics	FSTI.MAI.MI.L.SA.6.2200.E-5.11																
			10	11	2			5E+0V+1C+0P+0A/R	30	10	8	4			3E+0V+3C+0P+0A/R	30		
TOTAL ORE PE SAPTAMANA/ TOTAL NUMBER OF HOURS/WEEK			23							22								
			TOTAL S1:							30	TOTAL S2:							30
Discipline facultative la propunerea facultății/ Facultative subjects proposed by faculty																		
5.12	Istoria matematicii / History of mathematics	FSTI.MAI.MI.L.CU.5.0200.C-2.12		2				Colocvii	2									
5.13	Managementul proceselor / Process management	FSTI.MAI.MI.L.SU.5.2020.E-4.13	2		2			Colocvii	4									
5.14	Limbaje formale si compilatoare / Formal languages and compilers	FSTI.MAI.MI.L.SU.5.2020.E-5.14	2		2			Examen	5									
6.12	Aplicatii multimedia / Multimedia applications	FSTI.MAI.MI.L.SU.6.2020.E-5.12								2		2			Examen	5		
Discipline facultative transversale la propunerea ULBS/ Transversal facultative subjects proposed by ULBS.																		
1	Limba străină (secundară) III / Foreign language (secondary) III	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.1		2				Colocvii	3									
2	Cultură și civilizație românească / Romanian culture and civilization	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.2		2				Colocvii	3									
3	Multiculturalism și civilizație europeană / Multiculturalism and European civilization	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.3		2				Colocvii	3									
4	Educație pentru sustenabilitate / Education for sustainability	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.4		2				Colocvii	3									
			4	10	4			1E+0V+6C+0P+0A/R	23	2		2			1E+0V+0C+0P+0A/R	5		
TOTAL ORE PE SAPTAMANA DISCIPLINE FACULTATIVE TOTAL NUMBER OF HOURS/WEEK (FACULTATIVE SUBJECTS)			18							4								
			TOTAL S1:							23	TOTAL S2:							5

Rector/Rector,

Decan/Dean,

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Începând cu anul universitar 2023-2024
starting with the academic year 2023-20
pentru anul universitar 2024-2025*
for the academic year 2024-2025*

PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM
Doar pentru studenții ERASMUS / Only for ERASMUS students
ANUL 1,2,3,4 / 1st,2nd,3rd,4th YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1 sau 2 */ 1st or 2nd Semester *						
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.
Discipline facultative pentru studenții ERASMUS/ Facultative subjects for ERASMUS students									
Module 1 / Module 1: Limba, cultura și civilizația română / Romanian Language, Culture and Civilization									
1	Comunicare orală. Limba română / Oral Communication. Romanian Language	ULBS.ULBS.ULBS.L.TU.0.2000.C-4.1	2					Colocviu	4
2	Comunicare scrisă. Limba română / Written Communication. Romanian Language	ULBS.ULBS.ULBS.L.TU.0.2000.C-4.2	2					Colocviu	4
3	Gramatică. Limba română / Grammar / Language Structure. Romanian Language	ULBS.ULBS.ULBS.L.TU.0.2000.C-4.3	2					Colocviu	4
4	Cultură și civilizație română / Romanian Culture and Civilization	ULBS.ULBS.ULBS.L.TU.0.2000.C-4.4	2					Colocviu	4
Module 2 / Module 2: Modul Interdisciplinar / Interdisciplinary Module									
5	Noțiuni fundamentale de contabilitate și finanțe / Introduction to Accounting and Finance	ULBS.ULBS.ULBS.L.TU.0.2000.C-3.5	2					Colocviu	3
6	Bazele ingineriei / Engineering Essentials	ULBS.ULBS.ULBS.L.TU.0.2000.C-3.6	2					Colocviu	3
7	Protecția juridică a drepturilor omului la nivel național, european și internațional / Legal Protection of Human Rights at National, European and International Level	ULBS.ULBS.ULBS.L.TU.0.2000.C-3.7	2					Colocviu	3
8	Text – Teatru – Film. Abordări interdisciplinare / Text – Theatre – Film. Interdisciplinary Approaches	ULBS.ULBS.ULBS.L.TU.0.2000.C-3.8	2					Colocviu	3
9	Coordonate interdisciplinare ale bioeticii / Interdisciplinary Coordinates of Bioethics	ULBS.ULBS.ULBS.L.TU.0.2000.C-4.9	2					Colocviu	4
10	Interacțiuni între societatea umană și sistemele ecologice / Interactions between the Human Society and Ecological Systems	ULBS.ULBS.ULBS.L.TU.0.2000.C-4.10	2					Colocviu	4
11	Cunoașterea mediului social. Teorii, metode și practică / Understanding Social Environment 3Theories, Methods and Practice	ULBS.ULBS.ULBS.L.TU.0.2000.C-3.11	2					Colocviu	3
12	Biotehnologie – Curs introductiv / Biotechnology – An Introductory Course	ULBS.ULBS.ULBS.L.TU.0.2000.C-3.12	2					Colocviu	3
13	O abordare introductivă a ortodoxiei române în contextual ortodoxiei mondiale / An Introduction to Romanian Orthodoxy in the Context of World Orthodoxy	ULBS.ULBS.ULBS.L.TU.0.2000.C-3.13	2					Colocviu	3
			26					0E+0V+ 13C+0P+ 0A/R	45

Notă: Modulul de limbă, cultură și civilizație românească și Modulul interdisciplinar cuprind discipline predate în limba engleză și destinate exclusiv studenților ERASMUS+ incoming. Fiecare student ERASMUS+ incoming, indiferent de anul de studiu, are obligația de a alege pentru fiecare semestr de studiu minim două discipline din fiecare modul, cu condiția de a nu se depăși numărul de 6 discipline cumulate din cele două module pe fiecare semestru. În cazul Modulului interdisciplinar, studenții nu pot opta pentru aceeași disciplină în semestre diferite.

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PLAN DE ÎNVĂȚĂMÂNT / CURRICULUM

FORTHEN CAMPUS - Explore the Transylvanian Cultural Heritage –

ANUL 1,2,3,4 / 1st,2nd,3rd,4th YEAR

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1 */ 1st or 2nd Semester *						Semestrul 2/ 2nd Semester					NOSI sem
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	Ver. Eval.	
DISCIPLINARY MODULE														
I. Language and Intercultural communication														
1	Basics of translation. Theory and practice / Introducere în teoria și practica traducerii	FLIA.LMA.LMAEFG.L.SO.2.2100.E-3.1								2	1		Exam	3
2	Basics of consecutive interpreting / Inițiere în interpretare consecutivă	FLIA.LMA.LMAEFG.L.SO.4.2100.E-4.1								2	1		Exam	4
3	Practical course in (E/F/G) language I / Curs practic de limbă 2	FLIA.LMA.LMAEFG.L.SO.2.0020.C-3.5										2	Colloquy	3
4	Practical course in (E/F/G) language II / Curs practic de limbă 3	FLIA.LMA.LMAEFG.L.SO.4.0020.C-3.3										2	Colloquy	3
5	Practical course in (E/F/G) language III / Curs practic de limbă 4	FLIA.LMA.LMAEFG.L.SO.6.0020.C-3.11										2	Colloquy	3
6	Contemporary English Language. Morphology / Limba engleză contemporană. Morfologie	FLIA.SAA.EFGR.L.SO.2.2100.E-4.9								2	1		Exam	4
7	Discourse typology (E/F/G) III	FLIA.LMA.LMAEFG.L.FO.6.1100.E-2.7								1	1		Exam	2
8	Linguistic and cultural mediation	FLIA.LMA.LMAEFG.L.SA.6.2100.C-3.21								2	1		Colloquy	3
9	English Language. Grammar and Vocabulary Practice (Practical Course)	FLIA.SAA.EFGR.L.SO.2.0020.C-2.10										2	Colloquy	2
10	Contemporary English Language. Syntax	FLIA.SAA.EFGR.L.SO.4.2100.E-4.12								2	1		Exam	4
11	Techniques of Oral Communication	FLIA.SAA.EFGR.L.SO.4.0020.C-2.13										2	Colloquy	2
12	Contemporary English Language. Sociolinguistics	FLIA.SAA.EFGR.L.SO.6.1100.E-2.12								1	1		Exam	2
13	English Language. Text Interpretation (Practical Course)	FLIA.SAA.EFGR.L.SO.6.0020.C-2.13										2	Colloquy	2
II. Literature, culture and civilization														
1	English literature of the 17th-18th centuries	FLIA.SAA.EFGR.L.SO.2.2100.E-4.8								2	1		Exam	4
2	Culture and civilization (E/F/G) LMA	FLIA.LMA.LMAEFG.L.FO.2.1100.E-2.3								1	1		Exam	2
3	Culture and civilization (E/F/G) Litere	FLIA.SAA.EFGR.L.SA.2.2100.E-3.12								2	1		Exam	3
4	American Literature from the Early 20th Century to the Present	FLIA.SAA.EFGR.L.SO.6.2100.E-4.11								2	1		Exam	4
5	The modern and contemporary British novel	FLIA.SAA.EFGR.L.SA.4.1100.C-2.17								1	1		Colloquy	2
6	History of the Anglo-American essay	FLIA.SAA.EFGR.L.SA.6.1100.C-2.16								1	1		Colloquy	2
7	English Literature from Early 20th Century to the Present	FLIA.SAA.EFGR.L.SO.4.2100.E-4.11								2	1		Exam	4
8	Anglo-American Literature. Theories of the Novel / Rhetoric of literary texts	FLIA.SAA.EFGR.L.SA.4.2100.E-3.14								2	1		Exam	3
9	Modern and contemporary prose in English. Text interpretation (practical course)	FLIA.SAA.EFGR.L.SA.6.0020.C-2.19										2	Colloquy	3
III. Economics: Business administration and Business informatics														
1	Business law	FSE.MMA.BA.L.FO.2.1100.E-4.2								1	1		Exam	4
2	Macroeconomics	FSE.MMA.BA.L.FO.2.2200.E-6.3								2	2		Exam	6
3	Management	FSE.MMA.BA.L.FO.2.2200.E-6.4								2	2		Exam	6
4	Basics of statistics	FSE.FIC.IEEN.L.DO.2.2200.E-4.4								2	2		Exam	4
5	Fundamentals of programming	FSE.FIC.IEEN.L.DO.2.2020.E-5.6								2	0	2	Exam	5
6	Entrepreneurship	FSE.MMA.BA.L.DO.2.2200.E-3.1								2	2		Exam	3
7	Economic globalization	FSE.MMA.BA.L.EO.2.2100.E-3.5								2	1		Exam	3
8	Promotional techniques	FSE.MMA.BA.L.DO.6.2200.E-5.1								2	2		Exam	5
9	Economic and financial analysis	FSE.MMA.BA.L.DO.6.2200.E-5.2								2	2		Exam	5
10	E-commerce	FSE.MMA.BA.L.DO.6.2200.E-5.3								2	2		Exam	5
11	Human resource management	FSE.MMA.BA.L.DO.6.1100.E-4.4								1	1		Exam	4
12	Consumer behavior	FSE.MMA.BA.L.DO.4.2200.E-5.1								2	2		Exam	5
13	International marketing	FSE.MMA.BA.L.DO.4.2200.E-5.2								2	2		Exam	5
14	Taxation	FSE.MMA.BA.L.DO.4.2200.E-4.3								2	2		Exam	4
IV.Engineering (Mechatronics and Robotics)														
1	Computer-aided graphics	MCTEN.201.FO								2	0	2	Exam	5
2	Computer programming and programming languages	MCTEN.202.FO								2	0	2	Colloquy	5
3	Mathematical analysis	MCTEN.204.FO								2	2	0	Exam	4
4	Material science and engineering	MCTEN.205.DO								2	0	2	Exam	4
5	Numerical methods	MCTEN.206.FO								2	0	2	Exam	4
6	Technical thermodynamics	MCTEN.401.DO								2	0	1	Colloquy	3

Centralizare/verificare/corelare cu fișele disciplinelor

3.2.a. C	3.2.b. S	3.2.c. L	3.2.d. P	3.2.e. Alte	3.3. NOSI/ sem	3.4. NOAD/ sem.	3.5. NOAD + NOSI	3.6. Cred.
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2	1	0	0	0	33	42	75	3
2	1	0	0	0	58	42	100	4
0	0	2	0	0	47	28	75	3
0	0	2	0	0	47	28	75	3
0	0	2	0	0	47	28	75	3
2	1	0	0	0	58	42	100	4
1	1	0	0	0	22	28	50	2
2	1	0	0	0	33	42	75	3
0	0	2	0	0	22	28	50	2
2	1	0	0	0	58	42	100	4
0	0	2	0	0	22	28	50	2
1	1	0	0	0	22	28	50	2
0	0	2	0	0	22	28	50	2

2	1	0	0	0	58	42	100	4
1	1	0	0	0	22	28	50	2
2	1	0	0	0	33	42	75	3
2	1	0	0	0	58	42	100	4
1	1	0	0	0	22	28	50	2
1	1	0	0	0	22	28	50	2
2	1	0	0	0	58	42	100	4
2	1	0	0	0	33	42	75	3
0	0	2	0	0	47	28	75	3

1	1	0	0	0	72	28	100	4
2	2	0	0	0	94	56	150	6
2	2	0	0	0	94	56	150	6
2	2	0	0	0	44	56	100	4
2	0	2	0	0	69	56	125	5
2	2	0	0	0	19	56	75	3
2	1	0	0	0	33	42	75	3
2	2	0	0	0	69	56	125	5
2	2	0	0	0	69	56	125	5
2	2	0	0	0	69	56	125	5
1	1	0	0	0	72	28	100	4
2	2	0	0	0	69	56	125	5
2	2	0	0	0	69	56	125	5
2	2	0	0	0	44	56	100	4

2	0	2	0	0	69	56	125	5
2	0	2	0	0	69	56	125	5
2	2	0	0	0	44	56	100	4
2	0	2	0	0	44	56	100	4
2	0	2	0	0	44	56	100	4
2	0	1	0	0	33	42	75	3

Nr. Crt. No.	Disciplina Subject	Cod Code	Semestrul 1 * / 1st or 2nd Semester *						Semestrul 2 / 2nd Semester					NOSI/ sem
			C	S	L	P	Alte	Ver. Eval.	Cred. Cred.	C	S	L	Ver. Eval.	
7	Digital electronics	MCTEN.402.DO								2	0	1	Colloquy	33
8	Power electronics	MCTEN.403.DO								2	0	1	Colloquy	33
9	Fundamentals of automated systems	MCTEN.405.DO								2	0	2	Exam	69
10	Fluid mechanics	MCTEN.406.DO								2	0	1	Exam	33
11	Measurement systems and techniques	MCTEN.601.SO								2	0	1	Colloquy	33
12	Machine tools and manufacturing	MCTEN.602.SO								2	0	1	Exam	58
13	Data acquisitions systems	MCTEN.603.DO								2	0	1	Colloquy	28
14	Software for virtual instrumentation	MCTEN.607.SO								2	0	1	Exam	33
15	Industrial logistics	MCTEN.802.SO								2	0	1	Colloquy	33
16	Mechatronic systems	MCTEN.803.DO								2	0	2	Exam	19
TRANSVERSAL MODULE														
1	European institutions	FLIA.LMA.LMAEFG.L.CO.6.2200.E-3.2								2	2		Exam	19
2	European economy	FSE.MMA.BA.L.FO.2.2100.E-5.6								2	1		Exam	83
3	History of European mentalities	FLIA.LMA.LMAEFG.L.CO.6.2100.E-4.9								2	1		Exam	58
4	Oral communication. Romanian language	ULBS.ULBS.ULBS.L.TU.2.1100.C-4.5								2			Colloquy	72
5	Romanian culture and civilization	ULBS.ULBS.ULBS.L.TU.2.1100.C-4.8								2			Colloquy	72
6	Text – Theatre – Film. Interdisciplinary Approaches	ULBS.ULBS.ULBS.L.TU.2.2000.C-3.4								2			Colloquy	47
7	Interactions between the Human Society and Ecological Systems	ULBS.ULBS.ULBS.L.TU.2.2000.C-3.6								2			Colloquy	47
8	Interdisciplinary Coordinates of Bioethics	ULBS.ULBS.ULBS.L.TU.2.2000.C-4.5								2			Colloquy	72
9	Legal Protection of Human Rights at National, European and International Level	ULBS.ULBS.ULBS.L.TU.2.2000.C-3.3								2			Colloquy	47
10	Introduction to Romanian history	ULBS.ULBS.ULBS.L.TU.2.2100.C-3.10								2	1		Colloquy	33
11	Urban history and heritage in Transylvania	ULBS.ULBS.ULBS.L.TU.2.1100.C-2.11								1	1		Colloquy	22
12	Romanian UNESCO heritage	ULBS.ULBS.ULBS.L.TU.2.1100.C-2.12								1	1		Colloquy	22
OPEN MODULE														
1	Tutored project / practicum	FLIA.SAA.EFGR.L.SO.2.0060.C-3.14											Colloquy	75
2	Tutored project / practicum	FLIA.SAA.EFGR.L.SO.4.0060.C-3.19											Colloquy	75
3	Tutored project / Thesis writing	FLIA.SAA.EFGR.L.SO.6.0060.C-3.21											Colloquy	75
4	Physical Education and sports	FLIA.SAA.EFGR.L.CO.2.0010.C-1.13										1	Colloquy	11
5	Physical Education and sports	FLIA.SAA.EFGR.L.CO.4.0010.C-1.18										1	Colloquy	11
6	Foreign languages: Romanian, English, French, German, Chinese, Norwegian, Spanish – non mandatory (elective course)	ULBS.ULBS.ULBS.L.TU.5.0200.C-3.1									2		Colloquy	0
7	Business foreign language	FSE.MMA.BA.L.CO.2.1100.C-3.7								1	1		Colloquy	3
			0	0	0	0	0	0E+0V+0C+0P	0	106	50	39	0E+0V+0C+0P	2735

3.2.a. C	3.2.b. S	3.2.c. L	3.2.d. P	3.2.e. Alte	3.3. NOSI/ sem	3.4. NOAD/ sem.	3.5. NOAD + NOSI	3.6. Cred.
2	0	1	0	0	33	42	75	3
2	0	1	0	0	33	42	75	3
2	0	2	0	0	69	56	125	5
2	0	1	0	0	33	42	75	3
2	0	1	0	0	33	42	75	3
2	0	1	0	0	58	42	100	4
2	0	1	0	0	8	42	50	2
2	0	1	0	0	33	42	75	3
2	0	1	0	0	33	42	75	3
2	0	1	0	0	33	42	75	3
2	0	2	0	0	19	56	75	3

2	2	0	0	0	19	56	75	3
2	1	0	0	0	83	42	125	5
2	1	0	0	0	58	42	100	4
2	0	0	0	0	72	28	100	4
2	0	0	0	0	72	28	100	4
2	0	0	0	0	47	28	75	3
2	0	0	0	0	47	28	75	3
2	0	0	0	0	72	28	100	4
2	0	0	0	0	47	28	75	3
2	1	0	0	0	33	42	75	3
1	1	0	0	0	22	28	50	2
1	1	0	0	0	22	28	50	2

0	0	0	0	6	75	0	75	3
0	0	0	0	6	75	0	75	3
0	0	0	0	6	75	0	75	3
0	0	1	0	0	11	14	25	1
0	0	1	0	0	11	14	25	1
1	1	0	0	0	47	28	75	3
106	48	39	0	18	3273	2702	5975	239

Notă: Aceste cursuri sunt destinate studenților selectați să participe la FORTHEM CAMPUS, din proiectului FORTHEM, dar ele sunt accesibile și studenților din afara Alianței FORTHEM.

Rector/Rector,

Decan/Dean,

Director Departament/Head of Department,

Prof. univ. dr .habil. Sorin RADU