Transilvania University of Braşov, Romania
Study program: Fundamental Mathematical Structures

Faculty   Mathematics and Computer Science
Study period: 2 years (master)
Academic year structure: 2 semesters (14/12 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	1st Semester					2nd Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Fix Point Theory	MM11	2	1			6					
2.	Riemanian Geometry	MM12	2	1			6					
3.	Geometric Function Theory	MM13	2	2			6					
4.	Fractals Theory	MM14	2	1			6					
5	Theory of Relativity	MM15	2	1			6					
6.	Non-Riemannian Geometry	MM21						2	1			7
7.	Variational Methods	MM22						2	2			7
8	Stochastic Processes and Applications	MM23						2	1			7
9.	Theory of Distributions and Applications	MM24						2	2			7
10.	Ethics and academic integrity II	MM25						1				2

2nd Year

No. crt.	Course	Code	3rd Semester					4th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Approximation Theory	MM31	2	2			8					
2.	Reliability of Systems	MM32	2	1	1		8					
3.	Convexity and Inequalities	MM33	2	2			8					
4.	Scientific Seminar	MM34		4			6					
5.	Optimal Control	MM41						2	1			7
6.	Special Chapters of Mathematics	MM42						2	2			7
7.	Specialized Practice	MM43									2	3
8.	Elaboration of the Master Thesis	MM44									4	7

2nd Year

No. crt.	Course	Code	3rd Semester					4th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Operator Theory	MM45						2	1			6
2.	Lipschitz functions	MM46						2	1			6