Master of Science Specialized in Mathematics

	Program Requirements				
Requirements	Credit Hours	Contact Hours			
Department Requirements (Courses)	30	30			
Thesis	6	6			
Total	36	36			

	Level 1										
No.	Course	Course Name		Credit Hou	rs	C	Prerequisite				
110.	Number	Course Ivallie	Lecture	Exercise	Practical	Lecture	Exercise	Practical	Frerequisite		
1	Math 601	Abstract Algebra 1	3	0	0	3	0	0	323Math		
2	Math 602	Real Analysis 1	3	0	0	3	0	0	315 Math		
		Total	6	6 0			6 0 0				
	Total			6			6				

	Level 2											
No.	Course	Course Name		Credit Hour	·s		Prerequisite					
110.	Number	Course wante	Lecture	Exercise	Practical	Lecture	Exercise	Practical	Trerequisite			
1	Math 603	Complex Analysis 1	3	0	0	3	0	0	314Math			
2	Math 604	Numerical Analysis	3	0	0	3	0	0	419Math			
		Total	6 0 0			6						
		10141		6								

				Level 3					
No.	Course	Course Name		C redit Hou	rs	C	ontact Ho	Prerequisite	
110.	Number	Course Ivaine	Lecture	Exercise	Practical	Lecture	Exercise	Practical	rierequisite
1	Math 605	Theory of Differential Equations	3	0	0	3	0	0	332 Math
2	Math 606	Mathematical Statistics 1	3	0	0	3	0	0	Math352&Math453
-	Total			6 0 0			0	0	
	1 otai			6			6		

	Level 4										
No.	Course	Course Name		Credit Hou	rs	(Prerequisite				
110.	Number	Course Name	Lecture	Exercise	Practical	Lecture	Exercise	Practical	Trerequisite		
1		Elective Course	3	0	0	3	0	0	=====		
2		Elective Course	3	0	0	3	0	0			
	-	Total	6	6 0 0			6 0 0				
	Total			6			6				

]	Level 5					_		
No	No. Course Course Name			Credit Hours Contact Hours							
110.	Number	umber Course Name		Exercise	Practical	Lecture	Exercise	Practical	Prerequisite		
1	1 Elective Course		3	0	0	3	0	0	=====		
2	2 Elective Course			0	0	3	0	0	=====		
	Total			0	0	6	0	0			

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	Level 6										
No.	Course	Course Name		Credit Hour	:s		Drovoquisito				
110.	Number Course Name			Exercise	Practical	Lecture	Exercise	Practical	Prerequisite		
1	Math 699	M.Sc. Thesis	6	0	0	6	0	0	=====		
	Total			6 0 0			6 0 0				
	Total			6			6				

List of courses: Compulsory courses are written, then elective courses, then the research project or thesis.

		Gene	eral compu	ılsory cour	ses for all t	racks			
No.	Course	Course Name		Credit Hou	rs	C	ontact Ho	ırs	Prerequisite
110.	Number	Course Ivaine	Lecture	Exercise	Practical	Lecture	Exercise	Practical	1 Tel equisite
1	Math 601	Abstract Algebra 1	3	0	0	3	0	0	323Math
2	Math 602	Real Analysis 1	3	0	0	3	0	0	315 Math
3	Math 603	Complex Analysis 1	3	0	0	3	0	0	314Math
4	Math 604	Numerical Analysis	3	0	0	3	0	0	419Math
5	Math 605	Theory of Differential Equations	3	0	0	3	0	0	332 Math
6	Math 606	Mathematical Statistics 1	3	0	0	3	0	0	Math352&Math453

	Elective Courses in Pure Mathematics Track											
1	Math 620	Abstract Algebra 2	3	0	0	3	0	0	Math 601			
2	Math 622	Topics in Algebra	3	0	0	3	0	0	Math 601			
3	Math 630	Real Analysis 2	3	0	0	3	0	0	Math 602			
4	Math 631	Topology	3	0	0	3	0	0	Math 602			
5	Math 632	Functional Analysis	3	0	0	3	0	0	Math 602			
6	Math 633	Topics in Real Analysis	3	0	0	3	0	0	Math 602			

		Elec	tive Cour	ses in App	lied Mathe	matics Tra	ick				
No.	Course	Course Name			C redit Hou	rs		Contact Ho	urs	Prerequisite	
NO.	Number	Course Ivallie		Lecture	Exercise	Practical	Lecture	Exercise	Practical	rrerequisite	
1	Math 640	Numerical Methods for Oro DE's	dinary	3	0	0	3	0	0	Math 604	
2	Math 642	Approximation Theor	y	3	0	0	3	0	0	Math 604	
3	Math 643	Optimization		3	0	0	3	0	0	Math 604	
4	Math 650	Integral Differential Equa	tions	3	0	0	3	0	0	Math 605	
5	Math 651	Mathematical Modelin	ıg	3	0	0	3	0	0	Math 605	
6	Math 696	Elective Topics		3	0	0	3	0	0	Math 604	
	<u>.</u>		Elective	Courses i	n Statistics	Track	<u>.</u>				
1	Math 607	Probability Theory(1)		3	0	0	3	0	0	Math 606	
2	Math 660	Mathematical Statistics	(2)	3	0	0	3	0	0	Math 606	
3	Math 661	Regression and Experimenta	l Design	3	0	0	3	0	0	Math 606	
4	Math 662	Times Series Analysis	5	3	0	0	3	0	0	Math 606	
5	Math 663	Topics in Mathematical Sta	itistics	3	0	0	3	0	0	Math 606	
6	Math 672	Stochastic Processes	ocesses		0	0	3	0	0	Math 606	
			M.Sc. Thesis								
No.	Course	Cauraa Nama		Credit Hours				Contact Hours			
INO.	Number Course Name Lectur	Lecture	Exerci	se Prac	tical Le	cture E	xercise 1	Practical	Prerequisite		
1	Math 699	M.Sc. Thesis	6	0	()	6	0	0	=====	