

Name of Faculty: Faculty of Basic and Applied Sciences

Name of the College/Institute/Department/School: School of Basic and Applied Sciences

Name of the Programme: M.Sc. Mathematics

Programme Type (UG/PG): PG

Duration: 2 Years (4 semesters)

	First Year - Semester I											
Course Category	Course Code	Course Title	Nature of Course	No. of Credits	(Contact		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MMM43MML501	Abstract Algebra	L	4	4	1	60	40	100	1	16	40
MM	MMM43MML502	Advance Real Analysis	L	4	4	-	60	40	100	-	16	40
MM	MMM43MML503	Advance Complex Analysis	L	4	4	-	60	40	100	-	16	40
ME	MMM43MEL50X	Major Elective I	L	3	3	-	60	40	100	-	16	40
ME	MMM43MEP50X	Major Elective I Lab	P	1	-	2	30	20	50	-	08	20
RM	MMM43RML501	Research Methodology	L	4	4		60	40	100	-	16	40
	Total				19	02	330	220	550	-	88	220

	Course Code	Course Title
Elective	MMM43MEL501	Descriptive and Inferential Statistics
for Sem I	MMM43MEL502	Object Oriented Programming

Nature of Course: L- Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,



	First Year - Semester II											
Course Category	Course Code	Course Title	Nature of Course	No. of Credits	Comaci		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MMM43MML504	Linear Algebra	L	4	4	-	60	40	100	-	16	40
MM	MMM43MML505	Measure and Integration	L	4	4	-	60	40	100	-	16	40
MM	MMM43MML506	Partial Differential Equation	L	4	4	-	60	40	100	-	16	40
ME	MMM43MEL50X	Major Elective II	L	3	3	-	60	40	100	-	16	40
ME	MMM43MEP50X	Major Elective II Lab	P	1	-	2	30	20	50	-	08	20
OJT	MMM43JTL501	On Job Training	I	4	-	8	60	40	100	-	16	40
	Total				15	10	330	220	550	-	88	220

	Course Code	Course Title
Elective	MMM43MEL503	Regression Analysis
for Sem II	MMM43MEL504	Data Structures

Nature of Course: L- Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,



	Second Year - Semester III											
Course Category	Course Code	Course Title	Nature of Course	No. of Credits	(Contact		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MMM43MML601	Integral Equation & Transform	L	4	4	-	60	40	100	-	16	40
MM	MMM43MML602	Functional Analysis	L	4	4	-	60	40	100	-	16	40
MM	MMM43MML603	Numerical Analysis	L	4	4	-	60	40	100	-	16	40
ME	MMM43MEL60X	Major Elective III	L	3	3	ı	60	40	100	-	16	40
ME	MMM43MEP60X	Major Elective III Lab	P	1	-	2	30	20	50	-	08	20
RP	MMM43RPJ601	Research Project -I	J	4	-	8	60	40	100	-	16	40
	Total					10	330	220	550		88	220

	Course Code	Course Title
Elective	MMM43MEL601	Time Series Analysis
for Sem III	MMM43MEL602	Python Programming

Nature of Course: L - Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,



	Second Year - Semester IV											
Course Code Course		Course Title	rse Title Nature of Course		Teaching (Contact hrs/ week)		Evaluation Scheme (Marks)			Minimum Passing (Marks)		
					L	P	Internal	External	Total	Internal	External	Total
MM	MMM43MML604	Classical Mechanics	L	4	4		60	40	100	-	16	40
MM	MMM43MML605	Fractional Calculus	L	4	4		60	40	100	-	16	40
MM	MMM43MML606	Operations Research	L	4	4		60	40	100	-	16	40
ME	MMM43MEL60X	Major Elective IV	L	3	3	-	60	40	100	-	16	40
ME	MMM43MEP60X	Major Elective IV Lab	P	1	-	2	30	20	50	-	08	20
RP	MMM43RPJ602	Research Project II	J	6	-	12	60	40	100	-	16	40
	Total				15	14	330	220	550		88	220

	Course Code	Course Title			
Elective	MMM43MEL603	Statistical learning & Data mining			
for Sem IV	MMM43MEL604	Java Programming			

Nature of Course: L- Lecture, P-Practical, S-Seminar, J-Project, I-Internship, D-Dissertation,



Annexture I

	Data Science	Computer Applications
Elective for Sem I	Descriptive and Inferential Statistics	Object Oriented Programming
Elective for Sem II	Regression Analysis	Data Structures
Elective for Sem III	Time Series Analysis	Python Programming
Elective for Sem IV	Statistical learning & Data mining	Java Programming