

Programme Name: - Master of Science (Mathematics)

Semester – I(Level 6.0)

Batch: AY 23-24 onwards

				Teaching Scheme (Hrs./Week)			.)	Exan				
Sr. No.	Core	Course Code	Course Name	L	Т	Р	С	Forma Assess CIA	ative men	t Ass	nmative essment ESE	Total Marks
								Course	Lab	Cours e	Lab	
1	UC	NRDP101	Research Methodology	4	0	0	4	50	-	100	I	100
2	PC	NPMT101	Advanced Calculus	4	0	0	4	50	-	100	-	100
3	PC	NPMT102	Numerical Analysis	4	0	0	4	50	-	100	L	100
4	PC	NPMT103	Computational Mathematics I	2	-	-	2	50	0	100	0	100
5	PC	NPMT111	Computational Mathematics I Lab	0	0	4	2		50	Ι	100	100
6	PE	NPMTE	Programme Elective-I	4	0	0	4	50	-	100	-	100
		тс	DTAL	18	-	4	20	250	50	500	100	600

Course Code	Programme Elective I
NPMTE01	Abstract Algebra
NPMTE02	Ordinary Differential Equations
NPMTE03	Linear Algebra

			Formative	Assessment	
		CIA	Weightage	Description	1
		CIA 1	10%	Home Assignment] .
CIA: Continuous Internal	UC: University Core PC: Programme Core PE: Programme Elective	CIA 2	20%	Written Exam	
Assessment L : Theory Lecture T : Tutorial		CIA 3	10%	Activity/Project and research based learning along with seminar presentation	e F
P : Practical ESE : End Semester Exam		CIA 4	10%	Behavioural Attitude +General Discipline Theory +Practical attendance	۲ ۱
		TOTAL	50%		

Associate Dean Academics



Programme Name: - Master of Science (Mathematics) Semester – II (Level 6.0)

Batch: AY 23-24 onwards

				Teaching Scheme (Hrs./Week)				Examination Scheme				
Sr. No.	Core	Course Code	Course Name	L	т	Р	С	Form Asses t CIA	ative smen	Sum Asse r ES	mativ e ssme it E	Total Marks
								Course	Lab	Cours e	Lab	
1	PC	NPMT201	Complex Analysis	4	0	0	4	50	0	100	0	100
2	PC	NPMT202	Topology	4	0	0	4	50	0	100	0	100
3	PC	NPMT203	Computational Mathematics II	2	-	-	2	50	0	100	0	100
4	PC	NPMT212	Computational Mathematics II Lab	0	0	4	2		50	_	100	100
5	PE	NPMTE	Programme Elective-II	4	0	0	4	50	0	100	0	100
6	PC	NPMT211	Field Project/Internship	0	0	8	4	-	50	-	100	100
		Т	DTAL	14	00	12	20	200	100	400	200	600

Course Code	Programme Elective II				
NPMTE04	Partial Differential Equations				
NPMTE05	Integral Transforms and their Applications				
NPMTE06	Number Theory				

			Formative A	Assessment
		CIA	Weightage	Description
		CIA 1	10%	Home Assignment
CIA: Continuous Internal	UC: University Core PC: Programme Core PE: Programme Elective OE: Open Elective	CIA 2	20%	Written Exam
Assessment L: Theory Lecture T: Tutorial P: Practical		CIA 3	10%	Activity/Project and research based learning along with seminar presentation
ESE : End Semester Exam		CIA 4	10%	Behavioural Attitude +General Discipline Theory +Practical attendance
		TOTAL	50%	

Exit option: PG Diploma with 40 credits.

BOS Chairperson Dean SOS Associate Dean Academics Registrar SUN EF

OR MA

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Programme Name: - Master of Science (Mathematics) Semester - III (Level 6.5)

Batch: AY 23-24 onwards

				Teaching Scheme (Hrs./Week)				Exan	ninati	ion Scheme		
Sr. No.	Core	Course Code	Course Name	L	Т	Р	С	Form Asses t CL	ative smen : A	Sum Asse E	mative ssment SE	Total Mark s
								Course	Lab	Cours e	Lab	
1	PC	NPMT301	Functional Analysis	4	0	0	4	50	0	100	0	100
2	PC	NPMT302	Mathematical statistics	4	0	0	4	50	0	100	0	100
3	PC	NPMT303	Data Science & Machine Learning	2	-	-	2	50	0	100	0	100
4	PC	NPMT311	Data Science & Machine Learning Lab	0	0	4	2		50	_	100	100
5	PE	NPMTE	Programme Elective-III	4	0	0	4	50	0	100	0	100
6	PC	NPMT312	Research Project I	0	0	12	6	-	50	-	100	100
		T	OTAL	14	00	16	22	200	100	400	200	600

Course Code	Programme Elective III
NPMTE07	Discrete Mathematics
NPMTE08	Mathematical Modelling
NPMTE09	Integro-Differential Equations

			Formative	Assessment
		CIA	Weightage	Description e
		CIA 1	10%	Home Assignment PA
CIA : Continuous Internal	UC : University Core	CIA 2	20%	Written Exam
Assessment L : Theory Lecture T : Tutorial	PC: Programme Core PE: Programme Elective OE: Open Elective	CIA 3	10%	Activity/Project and research based learning along with seminar presentation ME
P : Practical ESE : End Semester Exam	GL open Elective	CIA 4	10%	Behavioural Attitude +General Discipline RG Theory +Practical attendance
		TOTAL	50%	

Associate Dean Academics Registrar SUN MA

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Programme Name: - Master of Science (Mathematics) Semester - IV (Level 6.5)

Batch: AY 23-24 onwards

				Teaching Scheme (Hrs./Week)		Examination Scheme						
Sr. No.	Core	Course Code	Course Name	L	т	Р	с	Form Asses CL	ative sment A	Summ Asses	native smen t E	Total Marks
								Course	Lab	Course	Lab	
1	PC	NPMT401	Graph Theory	4	0	0	4	50	0	100	0	100
2	PC	NPMT402	Advanced Numerical Methods	4	0	0	4	50	0	100	0	100
3	PE	NPMTE	Programme Elective-IV	4	0	0	4	50	0	100	0	100
4	PC	NPMT411	Research Project II	0	0	20	10	-	50	-	100	100
		T	OTAL	12	00	20	22	150	50	300	100	400

Course Code	Programme Elective IV				
NPMTE10	Fluid Mechanics				
NPMTE11	Special Functions				
NPMTE12	Operations Research				

			Formative	Assessment	
		CIA	Weightage	Description	
		CIA 1	10%	Home Assignment	
CIA : Continuous Internal	UC: University Core PC: Programme Core PE: Programme Elective	CIA 2	20%	Written Exam	
Assessment L : Theory Lecture T : Tutorial		CIA 3	10%	Activity/Project and research based learning along with seminar presentation	
P : Practical ESE : End Semester Exam		CIA 4	10%	Behavioural Attitude +General Discipline Theory +Practical attendance	
		TOTAL	50%		