

Sant Gadge Baba Amravati University, Amravati

FACULTY: SCIENCE AND TECHNOLOGY

Two Year Semesters Master Degree Program NEP-2023

Subject: Mathematics (Semester-I)

S.N.	Subject	Type of Course	Subject Code	Teaching and Learning Scheme						Durations of Exam Hours	Examination and Evaluation Scheme								
				Teaching Hours Per Week				Credits			Maximum Marks				Minimum Passing				
				L	T	P	Total	L/T	Practical		Theory		Practical		Total Marks	Marks Internal	Marks External	Grade	
				Theory Internal		Theory External		Internal	External										
1	Research Methodology and IPR	FSC		4			4	4		4	3	40	60			100	16	24	P
2	DSC-I: Real Analysis	Th-Major		4			4	4		4	3	40	60			100	16	24	P
3	DSC-II: Advanced Abstract Algebra	Th-Major		4			4	4		4	3	40	60			100	16	24	P
4	DSC-III: Complex Analysis	Th-Major		3			3	3		3	3	40	60			100	16	24	P
5	DSE-I (Any One)	Th-Major																	
	1. Advanced Discrete Mathematics I 2. Differential Geometry			4			4	4		4	3	40	60			100	16	24	P
6	Introduction to LaTeX	Practical				6	6**		3	3	3			50	50	100	25	25	P
7	On Job training, Internship/ Apprenticeship, Field Project	Major		120 hours cumulatively during vacations of Semester-I and Semester-II						4*									P
8	Co-curricular Courses: Health and wellness, Co-curricular Courses: Health and wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine/Applied/Visual/Performing Arts during S-I,II,III and IV	Generic Optional		90 hours cumulatively from Semester I to Semester-IV															
							25			22						600			

L : Lecture, T : Tutorial, P : Practical

Note :- ** Indicate that for the subject Mathematics, the strength of a batch of practical's for PG classes shall be 16 (Sixteen) students.

Sant Gadge Baba Amravati University, Amravati

FACULTY: SCIENCE AND TECHNOLOGY

Two Year Semesters Master Degree Program NEP-2023

Subject: Mathematics (Semester-II)

S.N.	Subject	Type of Course	Subject Code	Teaching and Learning Scheme						Duration of Exam Hours	Examination and Evaluation Scheme									
				Teaching hours per week				Credits			Maximum Marks				Minimum Passing					
				L	T	P	Total	L/T	Practical		Total	Theory		Practical		Total Marks	Marks Internal	Marks External	Grade	
				Theory Internal		Theory External		Internal	External											
1	DSC-IV: Advanced Linear Algebra and Field Theory	Th-Major		4			4			4		4	3	40	60			100	16	24
2	DSC-V: Topology	Th-Major		4			4	4		4	3	40	60			100	16	24	P	
3	DSC-VI: Integral Equations	Th-Major		3			3	3		3	3	40	60			100	16	24	P	
4	DSE-II (Any One)	Th-Major																		
	1. Advanced Discrete Mathematics II 2. Riemannian Geometry 3. Measure and Integration Theory			4			4	4		4	3	40	60			100	16	24	P	
5	Mathematics with Scilab	Practical				6	6**		3	3	3			50	50	100	25	25	P	
6	On Job training, Internship/ Apprenticeship, Field Project	Major		120 hours cumulatively during vacations of Semester-I and Semester-II						4*										P
8	Co-curricular Courses: Health and wellness, Co-curricular Courses: Health and wellness, Yoga Education, Sports and Fitness, Cultural Activities, NSS/NCC, Fine/Applied/Visual/Performing Arts during S-I,II,III and IV	Generic Optional		90 hours cumulatively from Semester I to Semester-IV																
							21			18+4*						500				