Department of Mathematics
Jahangirnagar University
Syllabus for the
Master of Science in Mathematics under weekend Program (MSM)

Course Code	Course Title	Marks	Unit	Credit hours
PMath. 501	Analytic Method of Partial differential Equations	100	1	3
PMath. 502	Computational Business Mathematics	100	1	3
PMath. 503	Fuzzy Mathematics	100	1	3
PMath. 504	Advanced Numerical Analysis	100	1	3
PMath. 505	Operations Management	100	1	3
PMath. 506	Theory of Numbers	100	1	3
PMath. 507	Rings, Modules and Radicals	100	1	3
PMath. 508	Field Theory	100	1	3
PMath. 509	Lattice Theory	100	1	3
PMath. 510	Fourier and Wavelet Transform	100	1	3
PMath. 511	Advanced Operations Research	100	1	3
PMath. 512	Advanced Fluid Dynamics	100	1	3
PMath. 513	Techniques of Lumped Modeling	100	1	3
PMath. 514	Integral Equations: Methods & Applications	100	1	3
PMath. 515	Qualitative Analysis of Ordinary Differential Equation	100	1	3
PMath. 516	Mathematical Physiology	100	1	3
PMath. 517	Differential Equations and Mathematical Modeling	100	1	3
PMath. 518	Nonlinear Dynamics and Chaos	100	1	3
PMath. 519	Dynamical Systems in Neuroscience	100	1	3
PMath. 520	Graph Theory with Algorithms	100	1	3

Prerequisite Courses

Course Code	Course Title	Marks	Unit	Credit hours
PMath. 521	Mathematical Analysis	100	1	3
PMath. 522	Essentials of Mathematics	100	1	3
PMath. 523	Modern Algebra	100	1	3
PMath. 524	Ordinary Differential Equations and Special Functions	100	1	3

Compulsory Courses

Course Code	Course Title	Marks	Unit	Credit hours
	Project	50	½	1½
	Viva-Voce	50	½	1½