Narsee Monjee Institute of Management Studies

School of Mathematical Sciences 2020 - 2021

Course Structure for BSc Mathematics (Honours) programme

Winter semesters

	Semester 1	Semester 3	Semester 5*
Core Courses (4 credit)	Elementary Calculus	Complex Analysis	Fourier Analysis
	Linear Algebra	Multivariate Calculus	Stochastic Processes
	Elementary number theory	Theory of Optimization	Courses of choice. Students will choose a field of learning and they will be trained in how mathematics is used in the field with (8 credit points)
	Algorithms & Problem Solving Techniques	Partial Differential Equations	
	Numerical Methods	Abstract Algebra	
Enrichment Courses (1 credit)	Research Writing and Communication Skills	History of Mathematics	
	Personal and people management	Literature	

Summer Semesters

	Semester 2	Semester 4*	Semester 6*
Core Courses (4 credit)	Ordinary Differential Equations	Topology and Geometry	Project by students based on their choice of subject in semester 5
	Real Analysis	Functional Analysis	
	Discrete Mathematics and Graph Theory	Vector Analysis	
	Topology of Metric Spaces	Measure Theory	
	Elementary Probability	Statistics and Machine Learning	
Enrichment Courses (1 credit)	Logic of Mathematics	Microeconomics	
	Environmental Sciences	Presentation Techniques	