

Tentative courses offered by SoM-Varsha 2021

S. No.	Course Code	Course Name	Course Nature	Faculty
1	MAT111	Single Variable Calculus (2102)	Foundational course	Prof. Utpal Manna
2	MAT211	Multivariable Calculus (3103)	Foundation course	Dr. Viji Thomas
3	MAT/MSM311	Real Analysis (3003)	Mandatory course: BS-MS III Year (Math Major and Math Minor) IPhD I Year	Dr. P. Devaraj
4	MAT/MSM312	Theory of Groups and Rings (3003)	Mandatory course: BS-MS III Year (Math) IPhD I Year (Math)	Dr. Saikat Chatterjee
5	MAT/MSM313	Linear Algebra (3003)	Mandatory course: BS-MS III Year (Math Major) BS-MS IV Year (Math Minor) IPhD I Year (Math)	Dr. Dond Asha Kisan
6	MAT/MSM314	Numerical Analysis (3003)	Mandatory course: BS-MS III Year (Math) IPhD I Year (Math)	Dr. Nagaiah Chamakuri
7	MAT/MSM315	Mathematical Statistics + Lab (3034)	Mandatory course: BS-MS III Year (Math) IPhD I Year (Math)	
8	MAT411	Measure Theory (3003)	Mandatory course: BS-MS IV Year (Math) IPhD II Year	Dr. K. R. Arun
9	MAT412 /6102	Commutative Algebra (3003)	Mandatory course: BS-MS IV Year (Math) IPhD II Year (Math) Stream course: PhD I Year (Math)	Dr. T. Geetha
10	MAT413 /6103	Analysis on Manifolds (3003)	Mandatory course: BS-MS IV Year (Math) IPhD II Year (Math) Stream course: PhD I Year (Math) (S)	Dr. Dharmatti Sheetal

11	MAT414 /6104	Partial Differential Equations (3003)	Mandatory course: BS-MS IV Year (Math) IPhD II Year (Math) Stream course: PhD I Year (Math)	Dr. Dhanya Rajendran
12	MAT415	Programming and Data Structures (3034)	Mandatory course: BS-MS IV Year (Math) IPhD II Year (Math)	Dr. K. Srilakshmi
13	MAT4101/ MAT511B	Discrete Mathematics (2002)	Mandatory elective course: IPhD I Year (Math) Elective course: BS-MS V Year (Math) (only 2 credits)	Dr. Sachindranath Jayaraman
14	MAT4118 MAT511B /6118	Algebraic Geometry over Complex Numbers (3003)	Elective course: BS-MS V Year (Math) IPhD II Year (Math) PhD I Year	Dr. Sarbeswar Pal
15	MAT4114 MAT511B /6114	Hyperbolic Geometry (3003)	Elective course: BS-MS V Year (Math) IPhD II Year (Math) PhD I Year	Dr. Shrihari Sridharan
16	MAT511B /i2M4106/ MAT6106	Numerical Methods in Differential Equations (3003)	Elective course: BS-MS V Year (Math) IPhD II Year (Math) Stream course:	Dr. Sudarshan Kumar
17	MAT511B /MAT4120 /MAT6120	High Performance Computing (3003)	Elective course: BS-MS V Year (Math) IPhD II Year (Math) PhD I Year	Dr. Nagaiah Chamakuri
18	MAT611 MAT511B	Topics in Analysis I (3003)	Elective course: BS-MS V Year (Math) Stream course: PhD I Year (Math)	Dr. Shrihari Sridharan, Prof. Utpal Manna plus one more.
19	DSC411	Machine Learning	Data Science Minor	Prof. M. P. Rajan