

School of Mathematics
Tentative course list-Vasanth 2023

Sl. No.	Course Code	Course name	Faculty Assigned
First Year Courses			
1	MAT121	Introduction to Linear Algebra	Dr.Shrihari Sridharan
2	IDC121	Mathematical Tools II	Dr. Arun K. R.
Second Year Courses			
3	MAT221	Introduction to Probability	Dr. Geetha
BS-MS III Year Courses, i² Math III Year Courses, MSc Math I Year Courses and IPhD Math I Year Courses			
4	MAT/MSM 321	Complex Analysis (Core for BS-MS (Math), i ² Math, MSc, IPhD), (Minor for 4 th Year)	Dr. Dhanya Rajendran
5	MAT/MSM 322	Fields, Modules and Algebras (Core for: BS-MS (Math), MSc, IPhD)	Dr. Sarbeswar Pal
6	MAT/MSM 323	General Topology (Core for: BS-MS (Math), i ² Math, MSc, IPhD) (Minor for 3 rd Year)	Dr.Sachindranath Jayaraman
07	MAT/MSM 324	Theory of ODE (Core for: BS-MS (Math), i ² Math, MSc, IPhD)	Prof. M. P. Rajan
08	MAT/MSM 325	Probability Theory and Stochastic Processes (Core for: BS-MS (Math), i ² Math, MSc, IPhD)	Dr. Priyanka

09	I2M321/DSC322/ MAT3021	Scientific Computing (4 credits) (Core for: i ² Math, BS-MS Data Sciences, Elective for: MSc, IPhD)	Dr. Dond Asha Kisan, Dr. Sudarshan Kumar
10	I2M322/MAT3022	Mathematical Modelling (Core for: i ² Math, Elective for: MSc, IPhD)	Dr. Nagaiah Chamakuri
BS-MS IV Year Courses, MSc II Year Courses, IPhD II Year Courses			
11	MAT/MSM421	Functional Analysis (Core for: BS-MS Math, MSc Math, IPhD Math)	Dr. Md Ramiz Reza
12	MAT/MSM422/ MAT4022	Algebraic Topology (Core for: BS-MS Math, IPhD Math, Elective for: MSc Math)	Dr. Viji Z. Thomas
13	MAT/MSM423	Differential Geometry (Core for: BS-MS Math, MSc Math, IPhD Math)	Dr. Saikat Chatterjee
14	MAT/MSM424/ MAT4024	Number Theory and Cryptography (Core for: BS-MS Math, IPhD Math, Elective for: MSc Math)	Dr. Devaraj

Elective Courses for BS-MS Math IV Years, MSc Math I, II Years and IPhD Math I, II Years			
15	MAT4214	Hyperbolic Geometry	Dr.Shrihari Sridharan
16	MAT4220/6220	Modular forms	Dr. Srilakshmi.K
Elective Courses for BS-MS Math IV Years, MSc Math II Years and IPhD Math II Years			
17	MAT4221/6221	Measure theoretic probability	Prof. B Rajeev
18	MAT4204/6204	Sobolev Spaces and Elliptic Boundary Value Problems	Dr. Dharmatti Sheetal

