

Tentative courses to be offered in Varsha 2020 - School of Mathematics

Sl. No.	Course Code/Title	Faculty
First Year Course		
1	MAT 111 Single Variable Calculus	Dr. Sachindranath Jayaraman
Second Year Course		
2	MAT 211 Multivariable Calculus	Dr. Saikat Chatterjee
Third Year BS-MS and IPh.D. Courses		
3	MAT 311 Real Analysis (3rd yr. minor)	Dr. Dhanya Rajendran
4	MAT 312 Theory of Groups and Rings (5th yr. minor)	Dr. Geetha T
5	MAT 313 Linear Algebra (4th yr. minor)	Dr. Nagaiah
6	MAT 314 Numerical Analysis	Dr. Dond Asha Kisan
7	MAT 315 Mathematical Statistics	Prof. Kuttykrishnan
8	MAT 3101 Discrete Mathematics (Elective for IPh.D. 1st yr.) (2 credits)	Dr. Srilakshmi K
Fourth/Fifth Year BS-MS, Ph.D. and IPh.D. Courses		
9	MAT 411/611 Functional Analysis	Dr. D Sheetal
10	MAT 412/612 Analysis on Manifolds	Dr. Shrihari Sridharan
11	MAT 413/613 Partial Differential Equations	Dr. Sudarshan Kumar K
12	MAT 414/614/4101/511B Rings, Modules and Algebra (CORE for IPh.D./Ph.D.; Elective for 4, 5th yr. BS-MS)	Dr. S Pal
13	DSC 411 Machine Learning (Data Science minor)	Prof. M P Rajan
14	MAT 4102/511B Introduction to Computational Fluid Dynamics (Elective for 4, 5 year BS-MS, IPh.D. 2nd yr.)	Dr. K R Arun
15	MAT 4103/511B Wavelet Analysis (Elective for 4th, 5th year BS-MS, IPh.D. 2nd yr.)	Dr. P Devaraj
16	MAT 4104/511B Topics in Number Theory (Elective for 4th, 5th year BS-MS, IPh.D. 2nd yr.)	Dr. Viji Thomas
17	MAT 4105/511B An Introduction to Stochastic Calculus and Its Applications (Elective for 4th, 5th year BS-MS, IPh.D. 2nd yr.)	Prof. Utpal Manna
18	MAT 4106/511B Hyperbolic Geometry (Elective for 4th and 5th year, and IPh.D. 2nd yr.)	Dr. Shrihari Sridharan
19	MAT 615 Research Methodology	TBA