

# Coursewise Allotment AY 2023-24

## Mathematics Department

### Autumn Semester

#### B.Tech courses:

S.No.	Course No.	Course Title	Instructor(s)
1.	MA 109	Calculus 1	Ravi Raghunathan, Sandip Singh
2.	MA 111	Calculus 2	Bata Krishna Das, Mayukh Mukherjee

#### Non-B.Tech core courses:

S.No.	Course No.	Course Title	Instructor(s)
3.	MA 113	Mathematics and Its History Theory I	Madhusudan Manjunath
4.	MA 114*	Introduction to mathematical concepts	Sudhir R. Ghorpade
5.	MA 401	Linear algebra	Sivaji Ganesh Sista
6.	MA 403	Real analysis	Sudarshan R. Gurjar
7.	MA 403 (Minor)	Real analysis	G.K. Srinivasan
8.	MA 417	Ordinary differential equations	Saikat Mazumdar
9.	MA 419	Basic algebra	Tony J. Puthenpurakal
10.	MA 419 (Minor)	Basic algebra	Preeti Raman
11.	MA 503	Functional analysis	Kummari Mallesham
12.	MA 515	Partial differential equations	Harsha Hutridurga
13.	SI 431	Intro. Data analysis using R	Sanjeev V. Sabnis
14.	SI 423	Linear algebra and applications	Ananthnarayan Hariharan
15.	SI 424 (Minor)	Statistical Inference I	Debraj Das
16.	SI 427	Probability I	S. Baskar
17.	SI 427 (Minor)	Probability I	Koushik Saha
18.	SI 419	Combinatorics	Murali K. Srinivasan
19.	SI 429	Real analysis	Prachi Mahajan
20.	SI 503	Categorical data analysis	Ashish Das
21.	SI 505	Multivariate analysis	Siuli Mukhopadhyay
22.	MA 811	Algebra I	Jugal K. Verma
23.	MA 813	Measure theory	Dipendra Prasad
24.	MA 815	Differential topology	Manoj K. Keshari
25.	MA 817	Partial differential equations I	Debanjana Mitra
26.	MA 861	Combinatorics I	Krishnan Sivasubramanian
27.	MA 863	Theoretical Statistics I	P. Vellaisamy

**Electives:**

S.No.	Course No.	Course Title	Instructor(s)
28.	MA 521	Theory of Analytic Functions	Sourav Pal
29.	MA 538	Representation theory of finite groups	Krishnan Sivasubramanian
30.	MA5101	Algebra II	Saurav Bhaumik
31.	MA5102	Basic algebraic topology	Rekha Santhanam
32.	MA5109**	Graph theory	Niranjan Balachandran
33.	MA5112	Introduction to Mathematical Methods	Sanjoy Pusti
34.	MA5115	Hopf algebra	Swapneel Mahajan
35.	SI 515	Statistical techniques in Data mining	Radhendushka Srivastava
36.	SI 537	Probability II	Ayan Bhattacharya
37.	SI 543	Asymptotic statistics	Monika Bhattacharjee
38.	MA 899	Communication skills	Ronnie Sebastian
39.	MA 841	Topics in Algebra I	Swapneel Mahajan
40.	MA 855	Topics in Numerical Analysis I	Neela Nataraj

\* Based on the request from CS department regarding running CS 101 in spring for BS students, MA 114 is shifted to the autumn semester for this AY.

\*\* MA5109 is open for M.Sc. Stats students as an elective.