

Tentative course list in the School of Mathematics- Vasanth 2022

| Sl. No. | Course Code/Course name | Faculty name |
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| I Year Courses | | |
| 01 | IDC 112 Fundamentals of Programming (1 credit lab course; for the semester that will start in Jan 2022 for I Year BS-MS) | Dr. Ajith Kumar |
| 02 | MAT 121 Introduction to Linear Algebra (for the semester that will begin in April 2022) | Dr. Dond Asha Kisan |
| 03 | IDC121 Math Tools II (for the semester that will begin in April 2022) | Dr. Sudarshan Kumar |
| 04 | IDC 122 Numeric Computing (1 credit lab course; for the semester that will begin in April 2022) | Dr. Ajith Kumar |
| II Year courses | | |
| 05 | MAT 221 Introduction to Probability | Dr. Nagaiah Chamakuri |
| 06 | IDC 222 Scientific Computing | Dr. Rakesh, Dr. Mathew Arun Thomas |
| III Year Courses | | |
| 07 | MAT/MSM 321 Complex Analysis (4 th year minor) | Dr. Dhanya Rajendran |
| 08 | MAT/MSM 322 Fields, Modules and Algebras | Dr. Sarbeswar Pal |
| 09 | MAT/MSM 323 General Topology (3 rd year minor) | Dr. Geetha T |
| 10 | MAT/MSM 324 Theory of ODE | Dr. Dharmatti Sheethal |
| 11 | MAT/MSM 325 Probability Theory and Stochastic Processes | Dr. Sachindranath Jayaraman |
| 12 | MAT 3207 Representation Theory (IPHD and MSc, 3 rd year BS-MS) | Dr. Saikat Chatterjee |
| 13 | MAT 3202 Topics in Matrix Analysis (IPHD and MSc, 3 rd year BS-MS) | Dr. Reza |
| 14 | DSC 321/MAT3201/4201 Introduction to Programming (DSC minor and elective) | Dr. Ajith Kumar |
| 15 | DSC322 Introduction to Data Science (DSC Minor) | Prof. M. P. Rajan |
| IV Year Courses | | |
| 16 | MAT 421 Functional Analysis | Dr. Devaraj |

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| 17 | MAT 422/6205 Algebraic Topology (Also a IPhD/PhD course for the Topology-Geometry stream) | Dr.Viji Z. Thomas |
| 18 | MAT 423/6203 Differential Geometry (Also a IPhD/PhD course for the Topology-Geometry stream) | Dr.Shrihari Sridharan |
| 19 | MAT 424 Number Theory and Cryptography | Dr. Srilakshmi.K |
| PhD Courses | | |
| 20 | MAT 6201 Topics in Analysis II (for Analysis stream) | Dr. Arun K. R. , Dr.Sachindranath Jayaraman |
| 21 | MAT6202 Topics in Algebra (for Algebra stream) | Dr. Geetha, Dr.Viji Z. Thomas, Dr. Sarbeswar Pal |
| 22 | MAT 6204 Sobolev spaces and elliptic boundary value problems (for Applied math stream) | Prof. Utpal Manna |
| 23 | MAT 6206 Finite element methods (for Computational math stream) | Dr. Arun K. R. |