

List of electives

1. Discrete Mathematics
2. Algebraic Geometry
3. Topology II (Pre req: Topology 1)
4. Differential Topology
5. Real Analysis II
6. Fluid Mechanics I
7. Graph Theory
8. Stochastic Processes I
9. Number Theory
10. Theory of Categories
11. Combinatorics
12. Applied Algebra
13. Quality control and Forecasting Techniques
14. Lattices AND Automata
15. Formal languages and Theory of Automata
16. Coding theory
17. Combinatorial designs
18. Finite fields, codes and cryptosystem
19. Classical mechanics
20. Fluid mechanics II
21. Probability II (MAM 2204)
22. Harmonic analysis
23. Wavelets (Pre req: Analysis and Linear algebra)
24. Stochastic Processes II (Pre Req: Stochastic Processes I)
25. Advanced mechanics (Pre req: Classical Mechanics)
26. Stability theory (Pre req: MAM 2105)
27. Universal Algebra (Pre req: MAM 2101,2201)
28. Rings and Algebra (Pre req: MAM 2101,2201)
29. Lie Algebras (Pre req: MAM 2101,2201)
30. Galois theory (Pre req: MAM 2101,2201)
31. Group Representation theory (Pre req: MAM 2101,2201)
32. Topics in group theory (Pre req: MAM 2101,2201)
33. Dynamical Systems (Pre req: MAM2105)
34. Coding theory and cryptography
35. Commutative algebra
36. Internet Programming
37. Theory of games
38. Advanced queuing theory
39. Computer organization
40. Quality control
41. Statistical Forecasting techniques
42. Mathematics of Finance I
43. Mathematic of Finance II
44. Mathematical Finance
45. Algorithmic Graph Theory
46. Number theory and Cryptography

Pre Req: Pre-Requisite