M.Sc Mathematics

✓ **Gain knowledge to accomplish research with a multidisciplinary perspective.**
✓ **Develop analytical and computational skills which are core for pursuing career beyond academics**

Subjects

Semester 1	Semester 2	Semester 3	Semester 4
1. Abstract Algebra	1. Galois Theory	1. Functional Analysis	1. Integral Equations & Calculus of Variations
2. Mathematical Analysis	2. Lebesgue measure and Integration	2. General Measure & Integration	2. Elementary Operator Theory
3. Ordinary and Partial Differential Equations	3. Complex Analysis	3. Linear Algebra	3. Analytic Number Theory
4. Elementary Number Theory	4. Topology	4. Operations Research /Mathematical Statistics/Advanced Complex Analysis	4. Integral Transforms/Graph Theory/Cryptography
5. Discrete Mathematics	5. Theory of Ordinary Differential equations	5. Mechanics/Numerical Analysis /Differential Geometry	5. Fluid Mechanics/Advanced Operations Research /Finite Difference Methods
6. Seminar	6. Seminar	6. Seminar	6. Seminar