

3110 SYLLABUS

1. *Power series method for solving differential equations (ODEs)*
2. *Flobenius method for solving ODEs*
3. *Euler method for ODEs*
4. *Eigen values and vectors.*
5. *Laplace transforms,*
6. *Fourier series*
7. *Surfaces (paraboloids, hyperboloids, ellipsoids, cone & circle).*
8. *Multiple integrals*
9. *Conservative vector fields*
10. *Greens theorem*
11. *Divergence theorem*
12. *Stocks theorem*
13. *Statistics and probability*