**MA\*724 Optimization Techniques**

Stochastic programming, chance constrained programming and two-stage programming, geometric programming, polynomial and signomial programming, dual based methods, primal based methods, Dynamic programming, single stage and multi-stage programming, forward and backward process, deterministic and probabilistic dynamic programming models, interior point methods, projective and scaling methods for linear programming.

**References:**

1. J.K. Sharma, Operation Research: Theory and Application, Macmillan Publisher
2. Kanti Swarup, Manmohan and P.K. Gupta, Operation Research, Sultan Chand ans Sons, New Delhi
3. Taha, Operations Research: An Introduction, 9e 2014, Pearson