**Operations Research**

**Course Outline**

* Formulation and analysis of probabilistic models in operations research Poisson processes
* Renewal processes
* Markov chains
* Queuing theory,
* Markovian decision processes
* Time series analysis
* Application areas reliability
* Traffic flows
* Production and inventory

**Recommended Books**

* 1. C. Richard Cassady, Joel A. Nachlas, *Probability Models in* *Operations Research*

1. Wayne L. Winston, Introduction to Probability Models: Operations Research