

Updated:- June 7, 2008

Books Used in Fall 07 and Spring 08

OPERATIONS RESEARCH

IE 572 (Fall)- **Linear Programming** - Linear Programming and Network Flows, 3rd Edition
Mokhtar S. Bazaraa, John J. Jarvis, Hanif D. Sherali

575 (Fall)- **Stochastic Methods** - (This course will be taught by the same professor and the book might change) Books used in Fall 07 are :-

- 1) **Reference** :Introduction to Probability Models by Sheldon Ross, Publisher: Elsevier Science & Technology Books, Pub. Date: November 2006, Edition Number: 9
- 2) **Text book**: An Introduction to Stochastic Processes by Edward P. C. Kao (Author)

IE 573 (Spring)- **Discrete Optimization** -Reference book :Optimization in Operations Research
Author: Ronald L. Rardin ,Publisher: Prentice Hall,ISBN-10: 0023984155.

IE 551 (Spring) - **Simulation and Stochastic Models** -

- 1) Kelton, W. D., Sadowski, R. P. and Sadowski, D. A.: Simulation with ARENA, 3rd ed., McGraw Hill.
- 2) Law, A. M. and Kelton, W.D.: Simulation Modeling and Analysis, 3rd ed., McGraw Hill.

PRODUCTION SYSTEMS

IE 504 (Spring) - **Facility Design** - Facility Layout and Location: An Analytical Approach (Second Edition)
R.L.Francis, L.F.McGinnis, and J.A.White

IE 505 (Fall) - **Production Planning And Control** - Production and Operations Analysis, Fourth Edition, McGraw-Hill Irwin (2001 Nahmias, Steven)

IE 506 (Fall) - **Computer Aided Manufacturing** – 3rd edition, Tien-Chien Chang, Richard A. Wysk, Hsu-Pin Wang

IE 507 (Fall) - **Design and Analysis of Experiments** - Design and Analysis of Experiments, 5th Edition - Douglas C. Montgomery

IE 551 (Spring) - **Simulation and Stochastic Models** -

- 1) Kelton, W. D., Sadowski, R. P. and Sadowski, D. A.: Simulation with ARENA, 3rd ed., McGraw Hill.
- 2) Law, A. M. and Kelton, W.D.: Simulation Modeling and Analysis, 3rd ed., McGraw Hill.