

# Course Schedule - Fall 2008

## Industrial Engineering

410 **Stochastic Processes & Applic** credit: 3 or 4 hours.

Modeling and analysis of stochastic processes. Transient and steady-state behavior of continuous-time Markov chains; renewal processes; models of queuing systems (birth-and-death models, embedded-Markov-chain models, queuing networks); reliability models; inventory models. Familiarity with discrete-time Markov chains, Poisson processes, and birth-and-death processes is assumed. Same as CS 481. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: IE 310.

CRN	Type	Section	Time	Days	Location	Instructor
30396	lecture-discussion	E	03:00 PM - 04:15 PM	MW	room 1109 Siebel Center for Comp Sci	Jacobson, S