Stat 4382, Stochastic Process

Syllabus

Text: **An Introduction to Stochastic Modeling,** 3^{rd} **Edition**
Authors: H.M. Taylor and S. Karlin

Topics	**Chapters**
Review of probability	class notes, TK 1
Conditional probability and expectation	TK 2.1-4
Markov chains	TK 3.1-6
Asymptotic properties of Markov chains	TK 4
Bernoulli and Poisson processes	class notes, TK 5
Queueing processes	TK 9.1-3

Course grade will be based on three exams, homework (equivalent to 1 exam grade), and final exam. Students with an A average on the three exams and homework will be exempt from the final exam, and the final exam is optional for students with a B average.