ESI 6546 Stochastic Modeling and Analysis  
Spring 2015

Catalog Description
This course introduces fundamental concepts in Stochastic Process. Several main topics include Applied Probability Review, Poisson Process, Renewal Processes, Markov Chains, and Continuous-Time Markov Chains. (3 Credits)

Course Objectives
• To review the basic knowledge of probability theory
• To develop a familiarity with stochastic process models
• To improve the ability to formulate stochastic models of systems and to analyze results obtained with such models

Reference Books

Instructor
Dr. Yongpei Guan
Office: 413 Weil Hall  Phone: 392-1464 x2037
Email: guan@ise.ufl.edu

Office Hours
By appointment.

TA
Lai Wei
Email: laiwei@ufl.edu

TA Office Hours
By appointment. (Weil Hall 202)

Course Website: UF e-learning
On the website you can find all the announcements and course materials, which include syllabus, lecture notes, homework assignments, and grades. Please check the website frequently.

Grading Policy

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<td>Midterm</td>
<td>40%</td>
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<td>Final Exam</td>
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<td>Homework</td>
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The midterm and final exams will be closed books (closed notes) in-class exam.
Homework Assignments

There are six-eight homework assignments in total. Discussion is allowed and individual submission is required. To be fair to everyone, please submit your homework on time, and do not ask TA homework questions before you submit the homework. All exams are in class, and you can bring your three reference books. Requests for a re-grade of exam/homework will be considered only within one week from the time the graded exam/homework is returned.

Attendance

Students are strongly suggested to attend the classes, even though this is not required.

Grading Scale

Your grade will be the better one of the following two schemes
1. 90-100 A, 85-89 A-, 80-84 B+, 75-79 B, 70-74 B-, 65-69 C+, 60-65 C, <60 F
2. Top 40% A, 50%-40% A-, 70%-50% B+, others B or below

In order to graduate, graduate students must have an overall GPA and an upper-division GPA of 3.0 or better (B or better). Note: a B- average is equivalent to a GPA of 2.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html

Honor Code

Kindly note and adhere to the following policy: “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”

Accommodation for Students with Disabilities

Students Requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

UF Counseling Services – Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
· UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, psychological and psychiatric services.
· Career Resource Center, Reitz Union, 392-1601, career and job search services.

Software Use

All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.