Math 6203: Applied Probability  
Section 01, Spring Semester 2011

Instructor: Fengrong Wei  
Office: 222 Boyd Bldg  
Phone Number: 678-839-5314  
e-mail: fwei@westga.edu  
Office Hours: Tuesday and Thursday: 11:00am-2:00pm, 3:20pm-5:20pm. Any change in office hours will be notified in class.

Hours Credit: 3 hours

Prerequisites: MATH 1634 or MATH 2063 or equivalent


Topics and Objectives: Topics include probability counting methods, discrete and continuous random variables and their distributions, expected value, sampling distributions, Central Limit Theorem, and normal approximation to the binomial. We will cover Chapters 1-4. The goal is to provide a solid foundation in the theory of random variables, probability distributions, and convergence in probability and distribution.

Examinations and Grading:

- Homeworks: Homework will be assigned every week which is due the following Tuesday in class. Unless prior arrangements are made for reasons judged to be acceptable by me, late homework will receive zero credits.

- Exams: There will be three 75 exams worth 100 points each. Tentative test dates are: Exam 1, Jan 27; Exam 2, Feb 24; Exam 3, March 31. Any change in date will be announced in class.

- Final: a comprehensive exam, Tuesday, May 3, 5:30-7:30 pm.

\[
\begin{array}{ll}
25\% \text{ Homeworks} & 25\text{pts} \\
40\% \text{ Tests} & 40\text{pts} \\
30\% \text{ Final} & 30\text{pts} \\
5\% \text{ Attendance} & 5\text{pts} \\
\text{Total} & 100\text{pts}
\end{array}
\]

Grades will be assessed using the standard decade scale: 90-100=A, 80-89=B, 70-79=C, 60-69=D, <60=F.
Other Policy:

1. Attendance at lectures and participation in class discussions is expected and required. Class attendance will be taken randomly. Students are not allowed to come to class late or to leave early. If one has to come to class late or leave early, he/she needs to let the instructor know in advance, otherwise the instructor will give him/her two warnings before lowering his/her grade to the next level. If one misses class for any reason, it is his/her responsibility to get the lecture notes from a classmate. Students are allowed to miss at most 1 class to get the full 5 pts for attendance.

2. Pagers or cell phones should be set to an inaudible setting.

3. Students with any kind of disability are encouraged to contact me at the beginning of the semester so that I can make appropriate arrangements with Disability Services.