Instructor: Dr. George Kordzakhia, kordzakh@gwu.edu
Office Hours: R : 8:40-9:40 p.m.

TA: Xin Hu, huxin@gwu.edu
Your TA will grade homework assignments and quizzes.

Course Structure: The class consists of one three hour lecture per week. Your grade is based on homework, quizzes, one midterm and the final exam.


Course Content: This is the first part of a two semester course in Mathematical Statistics. Our goal is to develop an appropriate level of mathematical and statistical literacy and competency. Sections from Chapters 1 - 5 of the textbook will be covered. Some external readings may be assigned. Topics will include basics of probability theory, random variables and transformations of random variables, expectation and variance, moment generating functions, joint distributions, covariance and correlation, order statistics, convergence concepts. Any changes will be announced in the class.

Code of Academic Integrity: All examinations, papers, and other graded work products and assignments are to be completed in conformance with The George Washington University Code of Academic Integrity. It states: "Academic dishonesty is defined as cheating of any kind, including mis-representing one's own work, taking credit for the work of others without crediting them and with-out appropriate authorization, and the fabrication of information." For the remainder of the code, see http://studentconduct.gwu.edu/code-academic-integrity

Homework and Quizzes: Homework will be assigned in the lecture every week. Your homework will be collected a week later. you must work independently. A few quizzes (possibly unannounced) will be given.

Midterm: One closed-book midterm examinations will be given. If the midterm is missed, you will receive zero credit for that part of the grade. No make-up midterm will be given. In exceptional circumstances (e.g. well-documented medical problems), a missed midterm will not be counted when computing your course grade.
Final Exam: The Final examination (Time and Date to be announced) is cumulative. In the event that you are going to miss an examination, you must notify me prior to the examination. There will be no make-up Final.

Course Grading: Your final letter grade will be based on a total score computed as follows:
Homework and Quizzes 30%
Midterm 30%
Final 40%
A grade of INCOMPLETE will ONLY be given to a student who is passing the course and cannot complete the course due to illness or other (documented) circumstances beyond their control.

Class Policy: Late work will not be accepted. Except for medical cases (with proper documentation) there will be no make-ups. If you miss an exam or miss a deadline you get zero credit for that part.

Student Services: If you experience difficulty in this course for any reason please consult with me. If you have a disability and require accommodations, please notify me with a letter from DSS so that we can make arrangements.

DISABILITY SUPPORT SERVICES (DSS) Any student who may need an accommodation based on the potential impact of a disability should contact Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: http://disabilitysupport.gwu.edu/

UNIVERSITY COUNSELING CENTER (UCC): The UCC (202-994-5300, http://counselingcenter.gwu.edu) offers 24/7 assistance and referral to address students’ personal, social, career, and study skills problems. Services for students include: i) crisis and emergency mental health consultations, ii) confidential assessment, counseling services (individual and small group), and referrals.

SECURITY: In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected follow the evacuation procedures for the building. After evacuation, seek shelter at a predetermined rendezvous location. See Blackboard page for more information.

Misc.: Please keep your cell phones and laptops off.