AMS 310: Survey of Probability and Statistics (Fall, 2013)

INSTRUCTOR: Professor Song Wu
CLASS: Tue, Thu 2:30-3:50PM, Engineering 145
OFFICE: Math Tower 1-114
OFFICE HOURS: Tue, Thu 1:00-2:00 pm or by appointment
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OFFICE HOURS: Mon 9:30-10:30 am (Li), Wed 9:30-10:30am (Li), 10:30-11:30am (Chan) and 2:00-3:00pm (Kim), Fri 1:00-2:00 pm (Waheed)

TEXTBOOK
R. A. Johnson, Miller & Freund's Probability and Statistics for Engineers (8th ed.), Prentice Hall.

TOPICS TO BE COVERED
Chapter 1 through Chapter 8, specific topics include: descriptive statistics; probability; random variables and their probability distributions (both discrete and continuous); joint distributions; sampling distributions; point estimation; hypotheses testing.

ASSIGNMENTS
Given regularly on Blackboard; due at the beginning of class on the due date; no late homework will be accepted; lowest two scores will be dropped before calculating your average; for full credit, please write down all intermediate steps needed, not just final answers.

TESTS:
All exams will be in class, closed notes and book. A letter-sized hand-written (not typed or xeroxed) formula sheet and a non-graphing calculator will be allowed in the exam.
Exam I: Tuesday, October 8, in class (Tentative)
Exam II: Tuesday, November 12, in class (Tentative)
Final Exam: Monday, December, 16, 2013, 11:15-1:45 PM

GRADING
Homework (20%), Exam I (25%), Exam II (25%) and Final Exam (30%)

If you have a physical, psychological, medical or learning disability that may impact your coursework, please contact Disability Support Services, ECC (Educational Communications Center) Building, room 128, (631) 632-6748. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information, go to the following web site. http://www.ehs.sunysb.edu/fire/disabilities.asp