

AMS 310: Survey of Probability and Statistics

INSTRUCTOR: Jiaqiao Hu

CLASS: Tuesday, Thursday 5:20PM - 6:40PM, Humanities 1003

OFFICE: Math Tower 1-107

PHONE: (631)6328239

EMAIL ADDRESS: jqhu@ams.sunysb.edu

OFFICE HOURS: Wednesdays 12:30-2:30 PM and by appointment

COURSE WEBSITE: www.ams.sunysb.edu/~jqhu/courses/310/AMS310.html

TAs: Qi Fan, email: fancy0829hotmail.com, Office hours: TBA

Anthony John Ripa, email: Anthony.Ripastonybrook.edu, Office hours: TBA

Zihao Song, email: szihaofaustgmail.com, Office hours: TBA

TEXT BOOK: 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.

HOMEWORK: Homework will be assigned on a weekly basis, and will be due at the beginning of class on the due date. The lowest two scores will be dropped before calculating your average. *No late homework will be accepted.* For full credit, please write down all intermediate steps needed, not just final answers.

EXAMS: There will be three exams (two midterms and one final, time and location of the midterms will be announced in class two weeks prior to the exam date and the final will be given during the scheduled final exam period). 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.

GRADING POLICY: Your total average score will be calculated based on 20% homework, 40% midterms (20% per midterm), and 40% final.

DISABILITY POLICY: If you have a physical, psychological, medical or learning disability that may impact your course work, 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>.