1. **Instructor:** Jack W. Silverstein
   
   Office: 4214 SAS Hall  
   Office Hours: Tues.-- Thurs. 1:25-2:55  
   Phone Number: 919 515 7864  
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2. **Goals and Objectives:**

   To provide students in mathematics, statistics, engineering, and the sciences with an understanding of probability theory as a mathematical subject, and how it can be used to model and analyze random phenomena.

3. **Textbook:**

   For price, call NCSU bookstore at 919-515-2161

4. **Topics and estimated days allocated to each topic:**

   Chapter 1. Combinatorial Analysis (2 days)  
   Chapter 2. Axioms of Probability (3 days)  
   Chapter 3. Conditional Probability and Independence (4 days)  
   Chapter 4. Random Variables (4 days)  
   Chapter 5. Continuous Random Variables (4 days)  
   Chapter 6. Jointly Distributed Random Variables (4 days)  
   Chapter 7. Properties of Expectation (4 days)  
   Chapter 8. Limit Theorems (3 days)

   Final exam given on Tues May 7, 1--4.

5. **Tentative schedule of reading assignments**

   Students are expected to read sections of the text at the same time they are covered in class.
6. Tentative schedule of homework due dates, quizzes and tests

Homework is assigned almost every day.

Three exams, the date for each to be given over one week in advance.

7. Determination of grades: + and - system will be used.

Each of the three exams will count 25% each. The final exam will also count 25%. The final average will determine middle C. A and B ranges will be on an approximate 10 point basis, with + - set at the extremes of the cut-offs. For students missing 5 or less days of class, their final average will be the larger of the averaged 4 exams and the final exam.

Attendance: Required