

STAT 1151 – “Introduction to Probability”

Fall 2014

Tuesdays-Thursdays 9:30—10:45AM
Benedum Hall, Room 158

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Office Hours: Mondays 11:15-12:15 or by appointment

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TA's office hours: Wednesdays 10:00-12:00 at Reading Room (CL 2712)

This is the first part of a two-semester course on calculus-based probability and mathematical statistics. Materials covered in the first semester include probability, probability distributions, random variables, mathematical expectations and change of variables from the textbook chapters 1-7. The sequel to this course, STAT 1152 “Introduction to Mathematical Statistics,” is heavily dependent on this course, and covers introductory theories of statistical inference using the same textbook.

Textbook: I. Miller and M. Miller, *John E. Freund's Mathematical Statistics with Applications*, Eighth Edition, Pearson Prentice Hall, NJ (ISBN: 978-0321807090)

Prerequisite: Calculus

Grade Distribution: check your grades at Courseweb

1. Homework & Quiz 30% (weighted 9/11 for homework and 2/11 for quiz)
2. Midterm 30%
3. Final (cumulative) 40%

Homework:

- *Nine* sets of homework from the textbook will be assigned throughout the semester.
- Homework assignments, grades and other important announcements can be found at **Courseweb**.
- No late homework will be accepted. No electronic copy will be accepted. Missed homework will receive a grade of zero.
- Show all work neatly on letter-sized papers. Clearly label each problem and be sure to circle the final answer. Write your full name in ink at the top of all HW pages. HW pages must be stapled together. A homework violating any of the above will receive a grade of zero.

Quiz:

- Two quiz sessions during the lecture

Exams:

- All exams are required and there will be no make-up exams.
- Missed exams will receive a grade of zero.

Midterm: Thursday, October 16 (during class)

Final: Tuesday, December 9, 10-11:50AM