

## Statistics 430: Probability

MW 12:00-1:30, 1:30-3:00 @ JMHH F65

**Professor:** T. Tony Cai, [tcai@wharton.upenn.edu](mailto:tcai@wharton.upenn.edu), Office: JMHH 469.

Office hours: Tuesday 9:15 - 11:00am.

**Teaching Assistant:** Michael Freiman, [mfreiman@wharton.upenn.edu](mailto:mfreiman@wharton.upenn.edu),

Office: JMHH 431.1. Office Hours: TBA.

**Textbook:** S. Ross, *A First Course in Probability*, 8th Edition, Prentice Hall.

The course covers Chapters 1-8. Some additional topics will also be covered if time permits. Lecture notes will be given in class. Roughly speaking I expect to cover Chapter 1 through Section 5 of Chapter 4 before the first midterm (given on Wednesday, October 14), the first six chapters before the second midterm (given on Wednesday, November 18), and the rest in the remaining time.

**Reference:** *Introduction to Probability*, Charles Grinstead and J. Laurie Snell. Available at [www.dartmouth.edu/~chance/teaching\\_aids/books\\_articles/probability\\_book/book.html](http://www.dartmouth.edu/~chance/teaching_aids/books_articles/probability_book/book.html)

**Homework:** The purpose of the homework is to help you learn the material. It will be corrected and solutions will be handed out. No late homework is accepted.

**Exam:** There will be two midterm exams and one final exam. Exams will be semi-closed book, i.e. a certain number of pages of notes is allowed.

- Midterm 1: 6:00-7:30pm, Wednesday, 10/14, JMHH G06.
- Midterm 2: 6:00-7:30pm, Wednesday, 11/18, JMHH G06.
- Final: 6:00-8:00pm, Tuesday, 12/15.

**Course Website:** <http://stat.wharton.upenn.edu/~stat430> . Check the course website regularly for course related information including lecture notes, homework assignments, solutions, and practice problems for the exams.

**Help:** Tutoring help is provided by the Statistics Department. The schedule and location are available on the course website.

### Grade Allocation:

- Midterms: 25% each
- Final: 50%
- Homework will only count for students with an exam grade of C or less.