# STA 4321 / 5325: Introduction to Probability / Fundamentals of Probability
## Section 7461 / 7490
## Spring 2014

Instructor:     Samuel Wong          swkwong@stat.ufl.edu
                Office:  Griffin-Floyd 225

TA:             Yang Wu              ywu@ufl.edu

Website:        http://www.stat.ufl.edu/~swkwong/teaching.html
                Course materials will be posted on e-learning/Sakai.

Office hours:  TBD

Textbook:     *Mathematical Statistics with Applications*, 7th ed.
              by Wackerly, Mendenhall, and Scheaffer

    Lectures will cover (roughly) chapters 1-6. Note that exams will be based
    on material actually taught in lecture. The textbook is helpful but not
    strictly mandatory.

Lectures:     Mon Wed Fri        11:45 - 12:35,  TUR 2319

Prerequisites: Three semesters of calculus (MAC 2311-2313 or equivalent).

Objectives:    The course provides an introduction to probability theory -- the ideas
               and tools we need for understanding randomness and uncertainty. We will
               spend time with both learning the mathematical concepts and applying
               them to concrete examples. This course gives the necessary background for
               further courses in statistical theory (STA 4322).

Topics:
  • Basic elements of probability
  • Discrete and continuous random variables
  • Multivariate distributions
  • Distributions of functions of random variables
  • Limit theorems

Course requirements:
    The final grade will be based on homework (20%), two in-class midterms
    (20% each), and a final exam (40%).

  • *Homework* will be assigned approximately weekly, as solving problems
    regularly is integral to the understanding of the course material. Homework
    is due at the beginning of lecture on the specified date. No late homework
    will be accepted. Assignments will be equally weighted; your lowest score
    on the homework assignments will be dropped. You are welcome to discuss
    homework problems with other students; however, the solutions you submit
    must be written by yourself, in your own words.

- Two *midterm exams* will be held in-class, tentatively on Feb 7 and Mar 14. A 1.5-hour *final examination* is tentatively scheduled for Tues Apr 22, 8:30-10pm. All exams are closed-book, closed-calculator, closed-phone. You may bring two double-sided pages of notes to the midterms and four double-sided pages of notes to the final.

Grading:

The tentative cutoffs are the usual 10% scale (90% = A, 80% = B, etc.), though will very likely be relaxed. Assigned grades are not negotiable.

Policies:

Please be familiar with the Academic Regulations listed at

https://catalog.ufl.edu/ugrad/current/Pages/academic-regulations.aspx.

Note that no make-up exams will be given with the exception of documented medical emergencies. Any accommodations requested will require appropriate arrangements with the Dean of Students Office. You are expected to abide by the Student Honor Code and exhibit academic integrity.