

Introduction to Statistics Theory  
STA 4322 (13F6) and STA 5328 (DEPT)  
Spring 2018

**Instructor:**

J. P. Hobert  
204 Griffin Floyd Hall, 352-273-2990, jhobert@stat.ufl.edu

**Class:** Tues 1:55-2:45pm & Thur 1:55-3:35pm, Griffin Floyd Hall 100

**Office Hours:** Mon 2:45-3:45pm, Tues 2:45-3:45pm & Wed 10:30-11:30am

**Course Web Page:**

<http://web.stat.ufl.edu/~jhobert/sta4322.html>

**Recommended Text:**

7th edition of *Mathematical Statistics with Applications* by Wackerly, Mendenhall, and Scheaffer.

**Prerequisites:**

The prerequisites for this course are STA 4321 (Introduction to Probability) and MAC 2311, 2312, 2313 (Calculus I, II, III). If you have not taken all of these (or their equivalents) and earned at least the required minimum grade in each one, you may not register for this course.

**Objective:**

This course is designed to provide a firm foundation in the basic theory of statistical inference. It covers the classical theory of estimation and hypothesis testing, as well as the theory of linear models and least squares. The probability theory developed in STA 4321 (or STA 5325) is used in developing the theory of estimation and hypothesis testing in the course.

**Course Schedule:**

The first week or two will be a review of material from STA 4321. After that, approximately two weeks will be spent on each chapter of the textbook starting with Chapter 7 and ending with Chapter 11. However, the actual pace of the course will ultimately be determined by the students. The instructor will speed up or slow down depending on the instructor's perception of how the students are digesting the material.

**Class Attendance and Make-up Exams:**

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

**Students with Disabilities:**

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

**Exams:**

Three exams will each count for 1/3 of the final grade. The exams are tentatively scheduled for 8:30-9:45pm on February 8, March 22, and April 24.

**Grading:**

The usual 10 point scale (90% for an **A**, 80% for a **B**, ...) is tentatively adopted, but will most likely be loosened. Information on current University of Florida grading policies for assigning grade points is given at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

**Teaching Assistant:**

The Teaching Assistant will be Yuna Kim (218 Griffin-Floyd Hall, 352-284-5304, [ynkim732@ufl.edu](mailto:ynkim732@ufl.edu)). Yuna will hold regular office hours each week from 11:00am-1:00pm on Tuesday, noon-1:00pm on Thursday, and 11:00am-noon on Friday. In addition, Yuna will hold a help session in Griffin-Floyd 230 from 5:30-7:00pm on the following days: February 7, March 21, and April 23. Note that these are the days before the three exams.

**Homework:**

Mastery of the material presented in this course requires a great deal of practice. Thus, although homework is not collected, it is imperative that you solve the problems that are posted on the course web page.

**Online Course Evaluation Process:**

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these evaluations are available to students at <https://evaluations.ufl.edu/results/>.