

**Instructor**

Qian Qin  
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office hours: MTW 11:45 AM - 1:15 PM, or by appointment

**Lectures**

MTWRF 2nd period (9:30 - 10:45 AM), LIT 0113

**Teaching Assistant**

Hang Yin  
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office hours: RF 1:30 - 3:30 PM

**Course Description and Objectives**

The sequence of courses STA 4321-4322 provides a formal and systematic introduction to mathematical statistics for students who have passed three semesters of standard undergraduate level calculus. STA 4321 introduces the background in probability that is necessary to understand the classical statistical theory introduced in STA 4322.

**Prerequisite**

MAC 2313 (or equivalent third semester calculus course). A well-prepared student should have taken an introductory statistics course, such as STA 2023 or STA 3032.

**Text**

Wackerly, Mendenhall, and Scheaffer, *Mathematical Statistics with Applications* (7th ed), Duxbury Press (Thomson Brooks/Cole Publishing), 2008.

Lectures will cover (roughly) chapters 1-6. The textbook is helpful, but is not strictly mandatory.

**Course Notes**

The topics we shall discuss are more or less covered in [Dr. Kshitij Khare's](#) lecture notes from Spring 2013 (except for a few). These notes should be helpful, but note that the exams will be based on material that are actually taught in class.

Click [here](#) to download Dr Khare's notes.

**Grades**

There will be three in-class exams (30% each) and approximately six homework assignments (counting for 10% in total).

90% for A, 87% for A-, 83% for B+, 80% for B, 77% for B-, 73% for C+, 70% for C, 67% for C-, 63% for D+, 60% for D.

There is no rounding: 86.99% is a B+.

**Exams**

Three in-class, non-cumulative exams are tentatively scheduled:

Exam 1: May 24  
Exam 2: June 7  
Exam 3: June 20

You can bring one 8.5 by 11 inches sheet of paper with formulas or notes written on both sides to each exam.

Only one make-up exam will be offered, and you must either let the instructor know well before the scheduled day of the exam which you need to be excused from (for a non-emergency reason), or produce a proof of emergency (or medical problem) as soon after the missed exam as possible. The make-up exam will take place after the third exam, and it will be cumulative.

### **Lecture Attendance**

Classroom lecture attendance is fully expected, even if not strictly enforced. You are responsible for learning all material presented during lecture, and any topic covered is a potential exam topic (unless otherwise stated).

### **Reasonable Accommodations**

To request classroom accommodation, please be certain that you have made all necessary arrangements with the Dean of Students Office, and obtain from them documentation to submit to the instructor at the time of your request. A request must be made to the instructor at least one week in advance of the date for which the accommodation is requested. This course information and policies sheet can be made available in alternative formats to accommodate print-related disabilities. Contact the instructor for more information.

### **Academic Integrity**

Please familiarize yourself with the Student Honor Code and Academic Honesty Guidelines outlined in your University of Florida Student Guide at <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>.