

# MATH 3670 K1

## PROBABILITY AND STATISTICS WITH APPLICATIONS

Fall 2017

### Contact Information

Instructor: Haiyu Zou

Office: Skiles 225A

Office hour: Tuesday 10:00-12:00 by appointment

Grader: Qingqing Liu

Grader Office Hour: Thursday 10:00-1:00 Clough 248

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### Course Information

Lecture Time: T/Th 01:30 pm-02:45 pm.

Classroom: Room 17, College of Computing.

Course Prerequisite: Math 2401 or 24X1 or 2411 or 2551 or 2550 or 2X51.

Textbook: *Probability and Statistics for Engineering and the Sciences*, 9ed, Devore, Thomson Learning.

Course Description: (From course catalog) Introduction to probability, probability distributions, point estimation, confidence intervals, hypothesis testing, linear regression and analysis of variance.

### Communication

I will frequently make announcements throughout the semester. You are responsible for any announcements or materials posted on T-square (t-square.gatech.edu). When you email me, please include [Math 3670] in the subject of your email. This will help me to respond in a timely manner.

### Attendance

Attendance is required for all lectures. Students who miss class meeting are responsible for any assignments or announcements made during missed lectures.

### Grading policy

Your final grade is a weighted sum of your grades on homework, 2 midterms, 3 quizzes and the final. The weight distribution is:

Homework	Midterms	Quizzes	Final
15%	40%	15 %	30%

A regrade request should be made in writing within one week after the exams returned to the students. The usual ten-point scale will be used: A:90-100, B: 80-89, C: 70-79, D: 60:69, F:0-59.

### Homework

Homework problems will be posted on T-square and students are to write (or type) their responses on paper. Not all assignment questions will be graded. Tentative assignment due dates are listed on last page of the syllabus. Assignments are due at the beginning of class. Late submissions will not be accepted.

### Exams

There will be two midterm exams and a final. All exams will be given in lecture. The final exam is comprehensive. Exam dates will be (tentatively):

Midterm 1	Midterm 2	Final
Sept. 28	Nov. 2	Dec. 7

Students who are unable to attend the scheduled exam for any reason are responsible for notifying me prior to the exam as soon as possible.

### Quizzes

3 quizzes will be given in lecture throughout the semester. They will be 30 minutes long. A tentative schedule of the quizzes can be found on the last page of the syllabus.

### Learning Disabilities

If you are in need of classroom or testing accommodations, please make an appointment with the ADAPTS office to discuss the appropriate procedures. More information is available on their website, <http://www.adapts.gatech.edu>. Please also make an appointment with me to discuss your accommodation, if necessary.

### Campus-Wide Dates

- Aug 21: First Day of Class
- Aug 25: Drop/Add Deadline
- Sep 4: Labor Day
- Oct 9-10: Student Recess
- Oct 28: Withdrawal Deadline
- Nov 23-24 Thanksgiving Break
- Dec 7- 14: Final Exams

### Honor Code

It is expected that all students are aware of their individual responsibilities under the Georgia Tech Academic Honor Code, which can be found at [www.honor.gatech.edu](http://www.honor.gatech.edu). Any violations must be reported to the Dean of Students. Cheating includes, but is not limited to the following:

- Using an unapproved calculator, books, or any form of notes on tests.
- Copying directly from any source, including friends, classmates, tutors, Internet sources (including Wolfram Alpha), or a solutions manual.
- Allowing another person to copy your work.
- Taking a midterm or quiz using someone else's name, or having someone else take a test or quiz in your name.
- Asking for a re-grade of a paper that has been altered from its original form.
- Using someone else's name to gain participation points for them, or to take quizzes or tests for them, or asking someone else to use your identity for any graded or participation submission.

### Tentative Course Outline:

Week	Dates	Tuesday	Thursday	Remarks
1	Aug. 21-Aug. 25			
2	Aug. 28-Sept. 1			
3	Sept. 4-Sept. 8	HW1,2 due		
4	Sept. 11-Sept. 15	Quiz 1		
5	Sept. 18-Sept. 22	HW3,4 due		
6	Sept. 25-Sept. 29		Mid 1	
7	Oct. 2-Oct. 6	HW5 due		
8	Oct. 9-Oct. 13	Recess		
9	Oct. 16-Oct. 20		Quiz 2	
10	Oct. 23-Oct. 27	HW6,7 due		W day: Oct. 28
11	Oct. 30-Nov. 3		Mid 2	
12	Nov. 6-Nov. 10	HW8 due		
13	Nov. 13-Nov. 17		Quiz 3	
14	Nov. 20-Nov. 24	HW9,10 due	Recess	
15	Nov. 27-Dec. 1			
16	Dec. 4-Dec. 8		Final	

\*Mid 1: Midterm 1, Mid 2: Midterm 2 \*\* Course schedule is tentative and subject to change.