

## Math 3215 Intro Probability & Statistics Summer 2014

Instructor: Sal Barone  
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Office hours: TTh 12pm – 1pm  
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Course Homepage: <http://people.math.gatech.edu/~sbarone7/ma3215.html>

Lecture: Skiles 249 - TTh 10am – 11:45am

**Textbook:** *Probability and Statistical Inference*, Hogg and Tanis, 8th Edition, Pearson.

**Course objectives:** We will cover essentially Chapters 1-4 and selected topics in Chapters 5-7. For a course schedule which lists the sections which we are covering on a given day, check the course website. The course is problem based, meaning that we will be learning through examples in lecture and homework. The student will be graded on weekly homework and in class assessments: weekly quizzes and a midterm every three weeks, and the Final Exam during the final exam period. The goal is to introduce the student to the basic concepts of probability and statistics with a view towards applications and further study.

**Attendance:** Attendance is required for all lectures. The student who misses a class meeting is responsible for any assignments and/or announcements made. There will be no opportunities for make-up tests or quizzes after the fact. **In the event of an absence due to travel representing Georgia Tech, such as an intercollegiate sports competition, you must notify the professor at least two weeks in advance to arrange an early test or other alternative.** Otherwise, such absences will be treated as personal. See below for the make-up exam/quiz/homework policies, but the short version is that make-up work is not allowed except for students who miss the work due to official Georgia Tech business.

**Homework:** There will one homework assignment due every week on Thursday, including the week before final exams, which will be turned in during the class period. A student who misses the homework due date will receive a zero on the homework. Make-up homework is not allowed except for work missed due to official Georgia Tech business. In the event of personal emergency, the student is required to turn in the homework to the instructor *before* the due date expires. In special circumstances, scanned homework that is emailed to the instructor will be excepted, but only before the class period on the date that the homework is due. Homework will be graded partially by completion and partially for correctness and will account for 100 out of 650 total points for the class. The lowest **two** homework grades will be dropped. If you miss the due date of a homework assignment for personal reasons, then you must use one of your dropped homework grades to cancel the zero you receive on the missed assignment. If you miss more than two homework assignments, the zero will be factored into your homework score.

**Quizzes:** There will be one quiz every non-exam week on Thursday during class. Make-up quizzes will not be given except for official Georgia Tech business and **one** quiz score will be dropped. Students who miss a quiz due to personal emergency must use their drop for the missed quiz. Quizzes comprise 100 out of 650 points for the course.

**Exams:** This course will have three mid-term exams and a comprehensive final exam. The mid-term exams for the course will be administered during Thursday lecture and will be *one hour and fifteen minute exams*. The dates for the exams are listed below. The second and third exam dates are tentative but I will let you know well in advance if the day of the 2nd/3rd exam changes.

**Extra credit:** There will be a few opportunities for extra credit, which will be explained as they arise. Extra credit points are added to your raw **Homework** score, after drop.

Exam Dates:

Exam 1	Thursday, May 29,
Exam 2*	Thursday, June 19,
Exam 3*	Tuesday, July 10,
Final Exam	TBA

*Dates marked with an \* are approximate*

**Calculators:** There are no restrictions on the use of calculators that do elementary mathematics. **Calculators that can be programmed are prohibited.** Work **must** be shown on quizzes/exams for full credit. No cheat sheets allowed.

**Learning Disabilities:** It is the right of any student with a certified learning disability to request necessary accommodation. Such requests must be made well in advance of the time that the accommodation is required, ideally in the first or second week of class, and a letter of documentation from the **ADAPTS** office must be presented at the time of any request.

**Academic Honesty:** It is expected that all students are aware of their individual responsibilities under the **Georgia Tech Academic Honor Code**, which will be strictly adhered to in this class. **The instructor is required to report any violations directly to the Dean of Students.** It is *your* responsibility to understand and adhere to the honor code.

**Grades:** Grades will be based upon homework, quizzes, mid-term exams, and the final exam. Course grades will be assigned based on the following point values:

	Points
Homework	140
Quizzes	100
Exam 1	100
Exam 2	100
Exam 3	100
Final Exam	150
Total	690

The usual ten-point scale will be used (A: 90-100%, B: 80-89%, C: 70-79%, D: 60-69%, F: 0-59%), however, if necessary, adjustments will be made to arrive at a standard grade distribution for the course. The lowest mid-term exam grade will be replaced by the Final Exam **average** ( $\text{score}/150 \times 100$ ), provided the latter is the higher score. However, there are no make-up exams. Students who wish to dispute an exam, quiz or homework grade are strongly encouraged to do so during the class period in which the graded paper was returned; disputes must be registered within 48 hours of the graded exam/quiz/HW being returned.

**Additional Resources:** In addition to the textbook, lectures, and office hours there are other resources available that might be of use for you during the course. All Georgia Tech students are eligible for 1-on-1 tutoring, see the website associated with the **Office of Success Programs**. There is also the **Math Lab** in the School of Mathematics where tutoring services are provided.

**Important Dates for Fall 2013:**

May 12 First day of classes  
May 16 Last day to drop without a “W” deadline  
May 29 **EXAM 1**  
June 13 Last day to drop with a “W” deadline  
June 19 **EXAM 2\***  
July 4 School Holiday  
July 10 **EXAM 3\***  
July 25 Last day of classes  
July 31 Final Exam 2:50pm - 5:40pm