

MATH 3215 SYLLABUS
SPRING 2009

- Course Number:** Math 3215
- Course Title:** Introduction to Probability and Statistics
- Lecture Time:** Tuesday and Thursday 1:35–2:55pm
- Lecture Room:** Skiles 268
- Instructor:** Dr. Yuri Bakhtin
Office: Skiles 267
Email: bakhtin@math.gatech.edu
Office hours: Tuesday and Thursday 9:30–10:30 am
- Course Web Page:** <http://www.math.gatech.edu/~bakhtin/3215-spring-2009.html>
- Contacting me:** The best way to contact me is by email.
- Prerequisite:** MATH 2401 Calculus III
- Brief Description:** Introduction to the basic concepts of probability and statistics providing a foundation for applications and further study
- Book:** [HT] R.V.Hogg, E.V.Tanis *Probability and Statistical Inference, 7th edition*.

What will be covered: Most of the material from Chapters 1–8 of [HT]

The course is naturally divided into two parts: Probability and Statistics, and the plan is to finish the probability part by the Spring break, March 16–20.

Homework: Homework assignments will be given approximately once every two weeks, and will usually be due one week after they are handed out. All homework assignments will appear online at the URL given above. Most of the homework problems will be taken from [HT]. Some of the home problems may be easier to solve on a computer and you are welcome to do so.

You are allowed to work together with other students on the homework as long as you each independently write up your own solution. You are encouraged to ask me questions.

Please staple the homework and print your name on the front page of each assignment you submit. All homework is due by 5pm on the due date or it will be considered to be late and will not be accepted.

Exams: At the exams you will have to demonstrate your knowledge of the course material as well as your ability to solve problems based on it. Most problems on the exams will be similar to those discussed in class or assigned as homework. The tentative dates for the exams are:

Mid-term Exams: Thursday Feb 12 and Thursday March 12 (both in class, 75 minutes).
Final Exam: Monday April 27 (11:30 - 2:20).

During the exams you are allowed to use the textbook [HT] and the test materials (tables etc.) that I will provide. No other aids (calculators, computers, other books) will be allowed.

Makeup exams are given only in extraordinary circumstances.

Grading: There will be 8 homework assignments (each one is worth 5%, the lowest score will be dropped, which amounts to total of 35%), two in-class mid-term exams (worth 20%), and one final exam (worth 25% of the final score). Letter grades will be based on the accumulated points according to the standard cutoffs: A: 90–100, B: 80–89, C: 70–79, D: 60–69, F: 0–59.

At the end of the course I shall evaluate the class distribution and decide if a curve is needed which may result only in lowering the above cutoffs.

Honor code: All students are expected to comply with the Georgia Tech Honor Code. Any violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students. The Georgia Tech Honor Code is available at <http://www.honor.gatech.edu/>