

Information Sheet for Math A7800

Course: Math A7800-GH, Advanced Mathematical Statistics, Fall Semester 2015

Time: Mon 6:00-7:40pm in NAC 4/209, Wed 6:00-7:40pm in NAC 4/209

Instructor: Professor Shirshendu Chatterjee

Office: NAC 4/114B **Phone:** (212) 650-5101

Tentative Office Hours: (please drop a line before coming) Mon 7:45-8:45 pm & Wed 5:00-6:00 pm, and by appointments if the usual time does not work for CCNY activity related reasons.

Text: Casella & Berger, **Statistical Inference**, Second Edition

Sections Covered: As much as possible starting from the beginning

Prerequisite: Math 34600 and Math 37600 or their equivalent

Email: shirchat1@gmail.com

Professor's website: <http://mathsci.ccny.cuny.edu/>

Class website: Blackboard site

Department website: <http://math.sci.ccny.cuny.edu>

The grading of your work during the semester will be as follows:

- **Homework, Participation (15%)**
- **Quiz (15%) :** third week of September, second week of October and first week of December
- **Midterm Exam (30%):** November 2nd. (Tentative syllabus: materials covered till the week before)
- **Final Exam (40%):** Dec 16 from 6 - 8:15 pm (tentative; will be announced in Nov).

Important Note on Grade Computation for exams during the semester: There will be three quizzes. If you do better on a subsequent quiz compared to an earlier one, that quiz grade can take the place of the earlier quiz grade. This can happen at most once, so if there are several possibilities, it will happen only in the way which results in the highest grade for you. Be warned, though, that the later material will be difficult and depend on the earlier material, and thus it is a fundamentally bad idea to count on doing better later.

Final Exam: The final exam will be based on all the materials covered during the semester.

General Expectations: For each class hour spent in classroom lecture, I expect at least two hours spent outside of class reading and understanding notes from lecture, reading the book, and working on the homework. It may go up depending on the difficulty of the homework problems. Math A7800 is a **difficult class** not only because the topics are challenging, but also because there are so many topics to be covered. It will take **more work and energy** to understand them competently. I expect all students to **attend all classes** and attempt **all the homework**.

Exam Policy: All exams are closed book. Notes, calculators and books will not be allowed during exams. Photo ID will be required at all exams. There are **no** make-up exams unless there is any medical or family emergency. If you are going to miss an exam, it is your

obligation to let me know as soon as reasonably possible beforehand. On the exams, it will be your obligation to demonstrate that you know how to solve the problems completely and correctly.

Homework Policy: Homework will be posted on the Blackboard website for the class biweekly. The first homework will be collected on Wednesday, September 9th. Homework will be collected at the beginning of class. I expect students to arrive on time and turn in their homework at the beginning of class. Late homework will not be accepted unless there is some compelling legitimate reason. Because of this policy, the lowest one homework scores will not count. If one cannot attend the class when some homework is due, it is his/her responsibility to put it in my mailbox (at NAC 8/133) before the due date.

Since it is not feasible to grade all of the assigned homework problems, only a select few problems will be graded on each assignment. For the rest of the homework, students need to look at the homework solutions/hints which will be posted in the course website.

Your homework should be neatly written using deep color pen/pencil, stapled and clearly labeled with your name, the assignment number, 'Math A7800', and "Prof. Chatterjee".

General Advice: This class will be quite intense and will require a **great deal of time** because we will cover many topics over the course of the semester. Lectures, homework will be an essential part of this class. If you do not have adequate time to devote to this class, please consider postponing this class until a semester in which you will have sufficient time.

Academic Honesty: All work submitted for this course should be your own unless explicitly stated or acknowledged by you. If you collaborate with other students on the homework or use reference materials other than the text, you must acknowledge the help. There is nothing bad about this, but if you work with other students on the homework, you must mention their names and how they helped. You are permitted to work with other students in the class, but this permission only applies to cooperative work, not to work done by one student and merely copied by another. You may discuss the homework problems with other students of the class, but while writing your final answers (which you are going to submit) you should be on your own.