

Information Sheet for Math 203

Course: Math 203 GH2, Calculus III, Fall Semester 2011

Time: MON 5:00-5:50pm in NAC 1/511A, Mon 6:00-7:40pm in NAC 1/511B, Wed 6:00-7:40pm in NAC 7/219

Instructor: Professor Chatterjee

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

Tentative Office Hours: Mon & Wed 1:00-2:00pm, and by appointments. Check webpage for updated info.

Text: Stewart, **Essential Calculus**, Second Edition

Sections Covered: Chapters 10.1-10.7, 11.1-11.7, 12.1-12.6, 13.6, 8.1-8.8

Math Computer Lab: NAC 1/511A

Optional Supplement: Adams, Hass & Thompson **How to Ace the Rest of Calculus**

Prerequisite: a thorough knowledge of the topics of calculus from 201 and 202

Email: shirchat1@gmail.com

Professor's website: TBA

Class website: TBA

There is also a Blackboard website, used for quizzes and grade information.

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

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

- **Homework, Participation (10%)**
- **Computer Homework and Computer Exam (10%)**
- **Exam 1 (10%):** Monday, Oct. 6th (Tentative syllabus: Section 10.1 - 10.6 of the text)
- **Exam 2 (15%):** Monday, Nov 3rd (Tentative syllabus: Section 11.1 - 11.7, 12.1 - 12.2 of the text)
- **Exam 3 (15%):** Monday, Dec 10th (Tentative syllabus: Section 12.3 - 12.6, 13.6, 8.1 - 8.7 of the text)
- **Final Exam (40%):** Dec 22 from 6 - 8:15 pm (tentative; will be announced in Nov).

Important Note on Grade Computation for exams during the semester: If you do better on a subsequent exam to an early exam, that exam grade can take the place of the earlier exam 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 the whole syllabus. Previous semesters' final exams are available from the department webpage.

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. Math 203 is a **difficult class** not only because the topics are challenging, but also because there are so many topics to be covered. Furthermore, some of the topics are considerably **more abstract** than the topics in Math 201 and 202 and 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 website for this class each week. The first homework will be collected on Monday, September 15th. 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. Because of this policy, the lowest two 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 203', and "Dr. Chatterjee".

Front Row Duty: The participation grade will largely be based upon Front Row Duty. Each lecture after the first week, there will be about 5 people who will be on Front Row Duty. The names will be announced in advance and we will cycle through the entire class several times over the course of the semester. Students on Front Row Duty are expected to sit in the front row and answer questions about the material as it is presented. This will give everyone a chance to participate and will help as we learn each other's names.

Computer Usage: We will be using computers to help understand the mathematical concepts covered during the semester. There will be periodic computer assignments using the computer algebra system MATLAB and a computer exam near the end of the semester.

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 and computer work 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. Remember the words of Dostoyevsky: "Originality and a feeling of one's own dignity are achieved only through work and struggle."

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.

Math Department Free Tutoring: The Math Department has the Math Help Desk in Science 418 which usually has free tutoring for many courses, including 203. The hours will be posted on the math department web page.