

## Math 153: General Information for Students, Fall 2002

- **TEXTBOOK:** James Stewart, *Calculus (Early Transcendentals)*, 4th Edition, Brooks/Cole
- **CALCULATOR:** A graphing calculator is required for this course, but will not be used on tests. *You will not use any calculator on tests.*
- **The course:** We offer three versions of the first semester of the calculus sequence: 135, 151, 153. If you are wondering whether you are in the right version for you, or if you would simply like to know more about the differences, consult the instructor. The 151/153 flavor is more substantial and is required by most technical majors, such as computer science. The sequence beginning with 135 is suitable for most economics and biology majors, among others.
- **Classes and workshops:** There will be **two class meetings**, and **three workshops** every week. The two lectures are given by your professor. In the **workshops** you will work in groups of three or four students under the direction of a graduate teaching assistant and an undergraduate peer mentor. The emphasis will be on problem-solving strategies, multi-step problems, and producing effective write-ups of your solutions. The Teaching Assistant is an experienced graduate student, studying for a doctorate in mathematics. The peer mentors are Rutgers undergraduates majoring in various fields.
- **Graded Homework:** You will hand in for grading selected workshop problems (as announced), and a certain number of the textbook homework problems per week (listed on a separate sheet). **Late homework or workshop writeups will NOT be accepted.** Workshop write-ups are graded both on content and presentation. You will produce your write-ups at home, individually, based on your work in the workshop groups. Use your *expository writing* skills, and remember to write in complete sentences when explaining mathematics. Homework problems are not “written up”. You simply turn in your work showing the work done in the normal way.
- **Time in class:** You are responsible for attending ALL class meetings and workshops, and you will be responsible for any information given out in class or workshop, including any changes of dates or other information on the handouts. Two midterm examinations will be given in class.
- **Review materials:** We distribute review materials before every test. They are generally *very helpful* in terms of focussing your ideas on the kinds of challenges you will be expected to meet. We also run review sessions based on those materials – to profit from them, you should go over the review materials thoroughly ahead of time.
- **Grading:** Various numbers will help determine your final grade in Math 153.

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| 2 midterm exams @ 100 points each                       | =                                    | 200 points   |
|   | The final exam                       | = 200 points |
|   | Workshop participation and write-ups | = 100 points |
| Other quizzes or tests, & graded homework from Textbook | =                                    | 100 points   |
|   | Total                                | = 600 points |

- **Exam rules:** **No calculators** of any kind will be permitted on the examinations. A *sheet of formulas* will be provided for use on midterms and the final. No books or notes will be allowed. The **final examination** will be given on Monday, December 16, 4-7 P.M. This is a *common departmental examination*. We will not know until the end of term where the examination is to be given. It is likely that it will be given in Hill 116, but the Scheduling Office will decide this.
- **Syllabus and other information:** You will be given a detailed syllabus, and other information, in class. You can also find some of the same material on the web by following the link for 153 from:

<http://math.rutgers.edu/~cherlin>