

Math 20c Spring 2010 Syllabus

MWF 3-3:50pm, WLH 2001

Professor D. Rogalski

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Class web site:

www.math.ucsd.edu/~drogalsk/20c.html

Office hours: W, F 11am-12pm (These were originally announced as M, W 11-12 but were changed as of week 2.)

TA's: Please see the course website for complete information about the TA's for each section and their office hours.

- **Math 20c course description:** Math 20c covers the theory of calculus in several variables. This is an important and basic subject for those intending to major in the physical sciences, engineering, mathematics, and other areas.

- **Prerequisite:** Math. 20B with a grade of C or better, or AP Calculus BC score of 4 or 5.

- **Waitlists:** Note that all adds/drops/wait lists are processed automatically online. I cannot add anyone to the class. If you are on a waitlist, you should register for another lecture which has space, as at most a few students, if any, will be admitted from waitlists, and usually only due to other enrolled students dropping the course (which is unpredictable.) This quarter, clearly Popescu's 8am lecture will be the one with extra space. If you cannot take the 8am lecture because it conflicts with another class, speak to the staff at the front desk on the seventh floor of AP&M about your options.

- **Schedule of Lectures:** Please see the course calendar on the course website for the planned schedule of lectures, exams, and so on. The schedule is open to change and the calendar will be updated accordingly.

- **Textbook:** Rogawski, Calculus Early Transcendentals. We will cover selected sections from chapters 11-15.

- **Reading:** You should read all covered sections of the book (the ones listed on the course calendar). Whether you read the material in the text before or after it is covered in lecture is up to you; figure out what works best for you.

• **Lecture:** The lecture is an important part of the course, and attendance is strongly encouraged. Seeing the material several times, and with different viewpoints (the lectures, the book, and discussion section) will help cement your understanding.

• **Discussion Section:** Again, attendance is strongly encouraged. In section, you have the opportunity to see more worked problems and examples and ask questions about the material and homework problems. If you cannot attend the discussion section for which you are registered, talk to the TA for a section you can attend to see if they can accommodate you.

• **Calculus Tutoring Lab:** This is open daily from M-F in AP&M 2402. Undergrad tutors and/or TA's will be available to help you with questions about homework or the course material. See <http://www.math.ucsd.edu/resources/tutoring> for the current schedule. Also at the same link, you can find information about OASIS, a university-wide tutoring program you might take advantage of if you need extra help.

• **Calculators, phones, etc.:** *No calculators, phones, or other electronic devices of any kind will be allowed during exams.* If you find calculators useful in doing certain homework problems, that is OK, but remember that you need to be able to do exam problems without the calculator.

• **Homework:** Doing the homework is probably the most important part of your work for the course. *In my experience, students who do few homework problems invariably fail.* Homework will be due on Wednesdays this quarter, starting in week 2. Please see the course calendar on the website for the dates that homework is due. Follow the links on the course calendar to the lists of assigned problems. Homework is to be turned into the mailbox labeled with your section on the 6th floor of AP&M *by 5pm*. You are welcome to work together with your classmates during the brainstorming phase, and you are welcome to ask the instructor, the TA's, or tutors in the calculus lab for help on assigned homework problems. However, the written work you turn in must be your own, written by yourself in your words only. No late homework assignments can be accepted, but the lowest two homework scores will be dropped.

The homework you hand in should be neat and organized, and should be stapled together. If your homework is too messy or the writing too small to be legible, you may not receive a score.

It is important to work on the homework problems throughout the week. The homework due dates have been set on Wednesdays to generally give you a little extra time to *finish up* your work on the homework after getting some final advice/help from Tuesday's section. Generally, you should plan to have the homework nearly finished by the time you attend section; if you have not started the homework at that point, you will likely not follow the discussion and you will not know what questions to ask. Note that having the homework nearly finished by Tuesday is especially crucial on exam weeks, when the homework is due the same day as the exam. The exam may include topics which are addressed on the homework due that same day.

• **Exams:** There will be 2 in-class midterms on Wednesday April 21, 2010 and Wednesday May 12, 2010, and a final exam on Wednesday June 9, 2010 from 3-6pm. Bluebooks will not be needed; adequate space will be provided on the exam paper for your answers. No books or calculators are allowed during exams, but you can bring one 8 1/2 by 11 inch sheet (both sides) of notes. The final exam will be cumulative. *Bring your student ID to each exam; we may need it to verify your identity.*

No make-up exams will be given. Generally, if one exam is missed for reasons of illness, the solution will simply be to count the final exam extra—see grading below. It is your responsibility to make sure that you will be able to take the exams at the regularly scheduled times.

• **Regrades:** Very occasionally you might believe your solution to an exam problem is entirely or essentially correct even though it received a low score. In this case you should bring this to the attention of your TA no later than the end of the section when the exam is handed back. Your TA will decide if the grading should be reviewed and we will award extra points if deserved. We will not consider a regrade once the exam is taken home.

• **Grading:** Your final average will be calculated using whichever of the following two schemes gives you the better score:

—20% homework, 20% midterm 1, 20% midterm 2, 40% final exam.

—20% homework, 20% best midterm, 60% final exam.

Note that if one of the midterms is missed for whatever reason, the second grading scheme automatically applies. Also, *your final exam must be of passing quality in order for you to pass the course.*

Final grades will be assigned based on the final averages, with your final grade *at least* as good as the grade given by the following standard scale:

97	93	90	87	83	80	77	73	70	60
A+	A	A-	B+	B	B-	C+	C	C-	D

Note that the final grading scale will usually be more lenient (“curved”) depending on the class average.

• **Academic honesty:** The university and I take academic honesty very seriously. Students caught cheating on an exam will receive a zero for that exam, and will be reported to the academic dishonesty board. Cheating on an exam includes (but is not limited to) using an electronic device, books or notes other than the allowed one page of notes, or consulting such materials when using a restroom, copying from or talking to nearby students, or having someone else take the exam for you. Similarly, submitting a homework assignment that is not your own work is plagiarism and will be reported if discovered. I have reported dishonest students in the past and I will continue to do so.