

Math 152: Calculus II
Spring 2007

Professor: Cindy Traub (cmtraub[at]smcm.edu)
Office: 173 Schaefer Hall (phone: x4369)
Office hours: Mon. 3-4pm, Wed. 1-2pm,
Fri. 9-10am, also by appointment

Section 03: Tu/Th 2-3:50pm,
Wednesday 6-8pm
All in Schaefer 111

TA: John Ross (jdross[at]smcm.edu, x5197)

Goals of the course: It is my hope that this class will help to hone your problem solving skills while increasing your fluency in a branch of mathematics which can be used to interpret much of the physical, scientific world around us. We will cover a sampling of the finest selections from Chapters 6-12 of Stewart. The menu will include techniques and applications of integration, as well as sequences and series. We may also snack on differential equations, parametric equations, and other delicacies, depending on time and our appetites.

Text: Stewart's Single Variable Calculus, 5th Ed., published by Thomson Brooks/Cole

Grading:

10% Participation/Email discussion questions
25% Homework
15% Test 1 (Wednesday, February 7, 6pm)
15% Test 2 (Wednesday, March 7, 6pm)
15% Test 3 (Wednesday, April 4, 6pm)
20% Final (Thursday, May 3, 2pm)

Extra Credit: You can earn a 1% increase in your grade by attending and writing a one page report on one of the NSM Colloquium talks. This can be repeated up to three times for a total of 3% extra before calculating your final grade. Talks are for a general audience of science majors in the areas of Mathematics, Computer Science, Biology, Chemistry and Physics. The lectures are in Room 106SB, usually every Wednesday at 4:40. A schedule of talks will be posted in the hall near the MathCS wing of Schaefer.

Participation: I hope that you all will be actively involved in our learning environment. That means attending class, asking questions, respecting the occasional confusion of others, and taking the risk to present your ideas in class. I will occasionally send reflection questions by email, and your thoughtful responses to these will reflect favorably on your participation grade.

Homework Policy: Ahh, if only math were a spectator sport. ("It looks like he's going for the derivative, Bob. Ooooh, not quite tangent...That curve is playing a strong zone defense tonight, *no one's* getting through...") The way to best learn this material is to practice solving problems. And it is a good thing to engage in conversation as you grapple with the concepts and figure out what you *do* and *don't* fully understand. However, when it is time to write up the work you will submit as your own, it is important that you use your own language. Show your work, and please use complete sentences with proper grammar. Problems will be assigned daily, and assignments will be collected at the beginning of each class. Your lowest two homework scores will be dropped.

Office hours are: A time to come by my office (173 Schaefer Hall) with your scratch work and your questions, concerns, comments, etc. There are three ways for this to happen:

- 1.) Make an appointment with me via phone, email, or in person after class.
(This method guarantees you individualized attention with convenient timing.)
- 2.) Come during my published office hours on Mon. 3-4pm, Wed. 1-2pm, Fri. 9-10am.
(For the lover of spontaneity; no guarantees on how many others will be there too.)
- 3.) Stop by. (Not a guarantee you'll find me or I'll be able to help you out.)

Office hours are not: A time for me to do your work or for you to look at the problems for the first time.

Accommodations for students with disabilities can be arranged through the Office of Academic Services.