

**Mathematics 10A – Calculus of Several Variables**  
University of California, Riverside, Summer 2004

**Instructor:** Derek Wise

**Email:** [derek@math.ucr.edu](mailto:derek@math.ucr.edu)

**Homepage:** <http://math.ucr.edu/~derek>

**Course Webpage:** <http://math.ucr.edu/~derek/summer04/math10a.html>

**Office:** Surge 263

**Office Hours:** 2:40pm Monday, Tuesday and Wednesday (right after class).

The text for this course is *Vector Calculus*, 5th edition, by Marsden and Tromba. Class meets from 1:00-2:30pm, Monday through Thursday, in 2355 Sproul Hall. Regular attendance, though not enforced, will be very important since it is easy to fall behind in a summer course.

Your grade in the course will be determined as follows:

**40% Homework**

**30% Weekly Quizzes**

**30% Final Exam**

**Homework:** Homework will be due approximately twice a week. When I grade your homework, I will first consider how complete it is, and then grade a selection of the problems in detail. Even though I may not closely scrutinize every problem you turn in, you should try to do well on each problem, since you will not know in advance which ones will be graded. It is very important that you do the homework, not only because it counts as 40% of your grade, but also because **at least half of the problems on the final exam will be taken directly from your homework problems**. Working hard on the homework will be your best preparation for the quizzes and the final! Late homework will not be accepted for credit. If you miss a class, you should check the course webpage to see what was assigned – homework assignments will be posted to the course webpage. You are welcome to study together and work practice problems, but homework you turn in *must be your own original work*.

**Quizzes:** Instead of giving a midterm exam, we will have a short quiz each Thursday at the beginning of class. Each quiz will test your knowledge of the material that has been covered in the lecture since the previous quiz. Missed quizzes can **not** be made up. However, I will drop your lowest quiz score from your final grade, so if you miss a quiz that will be the one I drop.

**Final Exam:** The final exam will be held on Friday, July 23 from 1:30-3:30. As already mentioned, at least half of the problems on the final will come directly from the homework, while the remainder will be similar to homework and quiz problems. There will also be a few bonus problems, giving you the chance to show how well you know the course material and earn some extra credit.

**Getting the most out of course:** Although we will be following the outline of the textbook fairly closely, I will often give the lectures from a slightly different perspective than what is presented by the book. If you combine attending the lecture with reading the book, you will gain a much more thorough understanding of the material. To get the most out of the course, you should first read the relevant sections, then come to the lecture and take notes, and finally work on the homework problems and study for the quizzes. Students who do all of these things almost always perform well. If you feel you are falling behind or just have questions, please come to my office hours after class. I am always happy to help students outside of class, and you should not hesitate to take advantage of the chance to come and ask questions.

**Other policies:** Please turn off all cell phones and other wireless devices during class. When you come to class, I expect that you will pay attention and especially not prevent others from doing so. Calculators may not be used during quizzes or the exam (but don't worry – this means I'm not going to give you any problems that require a calculator to solve!). Finally, it should go without saying that cheating in any form will not be tolerated.

I hope you enjoy the course!