

# Math 2210-001: Calculus 3

Fall 2009

## Course Information

**Instructor:** Ben Trahan

**E-mail:** [trahan@math.utah.edu](mailto:trahan@math.utah.edu)

**Time and Place:** 9:30-10:40AM in LCB 219

**Web Page:** <http://www.math.utah.edu/~trahan/Teaching/2210>

**Office Hours:** JWB 333 (time to be announced later)

## Resources

**Textbook:** Varberg, Purcell, Rigdon, *Calculus with Differential Equations*

**Tutoring:** The Mathematics Tutoring Center is in the basement between LCB and JWB. It is open 8:00am-8:00pm on Monday through Thursday, and 8:00am-4:00pm on Fridays. There is also inexpensive private tutoring available through the ASUU Tutoring Center, in 330SSB, and a list of private tutors is available in the math department offices.

## Course Structure

The goal of Calculus 3 is to become comfortable with calculus in multiple variables. The course will begin by covering the process of working in three dimensions, including vectors and coordinate changes, and will proceed to increasingly more sophisticated techniques for extending calculus concepts to three dimensions. The difficulty of the class increases steadily throughout the semester, so if you are already familiar with vectors, don't be fooled by the first few weeks of material. We will cover chapters 11-14 in the book.

**Homework:** Homework will be collected weekly. I will drop two homework assignments throughout the semester. Homework will be accepted up to a week late for half credit. Unstapled homework makes me cranky, and points will be taken off for such a transgression.

**Quizzes:** Occasionally there will be particular topics I will want you to focus more energy on. In such an event, I may decide to have a quiz. These quizzes will be announced in advance, and counted as homework assignments.

**Midterms:** There will be three midterm examinations – one at the end of chapter 11, one at the end of chapter 12, and one at the end of chapter 13. The dates will be announced shortly after the beginning of the semester. The lowest exam score will be dropped.

**Midterm Make-Ups:** There will be no make-ups. Your lowest exam score will be regarded as a 0 and dropped.

**Final Exam:** The final exam will be on Thursday, December 17<sup>th</sup> from 8:00AM to 10:00AM in the normal room.

## Grading

The grades will be weighted as follows:

Homework & Quizzes:	20%	Lowest 2 dropped
Midterms:	45%	Lowest 1 dropped
Final:	35%	

The familiar grade cutoffs of 90% – A, 80% – B, and so forth will be used as a guideline. These grade cutoffs may be adjusted downward as necessary.

## Other Policies

**Cheating:** I don't mess around with academic dishonesty. It will be handled exactly as detailed in the student handbook. I can promise you that it is not worth the risk.

**ADA statement:** The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.