Text   We will be using *University Calculus, (First Edition)*, by Hass, Weir & Thomas as our primary textbook.

I will also be referencing a new open-content (i.e. free) text, *Vector Calculus*, by Michael Corral of Schoolcraft College. Look for a link on the course web page.

Home Page   Start at `http://buzzard.ups.edu/courses.html` to locate the WWW page for this course.

Office Hours   My office is in Thompson 303; the telephone number is 879–3564. Making appointments or simple, non-mathematical questions can be handled via electronic mail — my address is `beezer@ups.edu`. Office Hours are 10:00–10:50 on Monday and Friday, and 9:30-10:50 on Tuesday and Thursday. You may make an appointment for other times, or just drop by my office. Office hours are your opportunity to receive extra help or clarification on material from class, or to discuss any other aspect of the course.

Homework   Problems will be assigned from each section covered, and collected at the start of the next class session. Of course, you are not limited to working *just* these problems. The list of exercises is attached, and is also available on the course web page.

It is your responsibility to be certain that you are learning from these exercises. The best ways to do this are to work the problems diligently when assigned and to participate in the classroom discussions. If you are unsure about a problem, then a visit to my office is in order. Making a consistent effort outside of the classroom is the easiest way to do well in this course.

> Mathematics not only demands straight thinking, it grants the student the satisfaction
> of knowing when he [or she] is thinking straight.
> — D. Jackson

> Mathematics is not a spectator sport.
> — Anonymous

> I hear, I forget.
> I see, I remember.
> I do, I understand.
> — Chinese Proverb

> An education is not received. It is achieved.
> — Anonymous

Calculators   You may use a calculator as you work homework problems, however exams will be designed so as to not require a calculator (and therefore will not be allowed). At a few points in the course, a graphing calculator will be useful.

Exams   There will be five 50-minute timed exams — they are all listed on the *tentative* schedule. The lowest of your five exam scores will be dropped. The comprehensive final exam will be given on Wednesday, May 13 at 8 AM. The final exam cannot be given at any other time and also be aware that I will allow you to work longer on the final exam than just the two-hour scheduled block of time. In other words, plan your travel arrangements accordingly. No personal electronics, scratch paper or hats are permitted during exams.

Grades   Grades will be based on the following breakdown: Exams — 70%; Final — 30%. Homework, attendance and improvement will be considered for borderline grades. Scores will be posted anonymously at `http://buzzard.ups.edu/courses.html`.

Reminders   Two reminders about university policies contained in the *Academic Handbook*. These are described thoroughly online, or a printed copy may be requested from the Registrar's Office (basement of Jones Hall).

Withdrawal grades are often misunderstood. A Withdrawal grade (W) can only be given during the third through sixth weeks of the semester, after that time (barring unusual circumstances), the appropriate grade is a Withdrawal Failing (WF), *even if your work has been of passing quality.* See the attached schedule for the last day to drop with an automatic 'W'. See `http://www.ups.edu/x4727.xml#withdrawal`.

All of your graded work is expected to be entirely your own work. Anything to the contrary is a violation of the university's comprehensive policy on Academic Honesty (cheating and plagiarism). Discovered incidents will be handled strictly, in accordance with this policy. Penalties can include failing the course and range up to being expelled from the university. See `http://www.ups.edu/x4718.xml`.

Attendance   Daily attendance is required, expected, and overall a pretty good idea.

Purpose   One of the goals of your college education is to progress to becoming an independent scholar. To this end, you will be given a great deal of freedom in how you choose to learn calculus. Of course, with freedom comes responsibility. Read the book before the lectures, work the exercises diligently, tidy up your class notes each evening, and ask questions. Arriving late to class, or having conversations with others during class, not only disrupts your peers, but tells me you are not serious about your education. I will not routinely check attendance, but our class is small enough that I will notice when you are not here, and again this will be another way that you signal me about your commitment to the endeavor.

Calculus is one of the most amazing intellectual developments of the past several hundred years and is responsible in large part for many of the advances in science and engineering that we take for granted today. The study of multivariable calculus will solidify what you learned about single-variable calculus, while also introducing you to the process of generalizing broad areas of mathematics. Your commitment to this course will be rewarded, and your inattention will be a waste of your tuition and your time.

Tentative Daily Schedule

Monday	Tuesday	Thursday	Friday
Jan 19 MLK Day	Jan 20 Section 9.1	Jan 22 Section 9.2	Jan 23 Section 9.3
Jan 26 Section 10.1	Jan 27 Section 10.2	Jan 29 Section 10.3	Jan 30 Section 10.4
Feb 2 Section 10.5	Feb 3 Section 10.6	Feb 5 Problem Session	Feb 6 Exam #1 Chapters 9, 10
Feb 9 Section 11.1	Feb 10 Section 11.2	Feb 12 Section 11.3	Feb 13 Section 11.4
Feb 16 Section 11.5	Feb 17 Section 11.5	Feb 19 Section 11.6	Feb 20 Problem Session
Feb 23 Exam #2 Chapter 11	Feb 24 Section 12.1	Feb 26 Section 12.2	Feb 27 Section 12.3
Mar 2 Section 12.4 Last day to drop	Mar 3 Section 12.5	Mar 5 Section 12.5	Mar 6 Section 12.6
Mar 9 Section 12.7	Mar 10 Section 12.7	Mar 12 Section 12.8	Mar 13 Section 12.9

Spring Break

Monday	Tuesday	Thursday	Friday
Mar 23 Problem Session	Mar 24 Exam #3 Chapter 12	Mar 26 Section 13.1	Mar 27 Section 13.2
Mar 30 Section 13.3	Mar 31 Section 13.4	Apr 2 Section 13.5	Apr 3 Section 13.5
Apr 6 Section 13.6	Apr 7 Section 13.7	Apr 9 Section 13.7	Apr 10 Section 13.8
Apr 13 Problem Session	Apr 14 Exam #4 Chapter 13	Apr 16 Snow Day	Apr 17 Snow Day
Apr 20 Section 14.1	Apr 21 TBD	Apr 23 TBD	Apr 24 TBD
Apr 27 TBD	Apr 28 TBD	Apr 30 TBD	May 1 Problem Session
May 4 Exam #5 Chapter 14	May 5 Housekeeping		

Final Examination
Wednesday, May 13 at 8 AM