

**Text** We will be using *University Calculus, (First Edition)*, by Hass, Weir & Thomas as our primary textbook. We will also cover some review material from *Calculus*, by Strang, which is available on the internet as part of MIT's Open Courseware site. The bookstore is also stocking an optional text, *Just-in-time Algebra and Trig for Early Transcendentals* by Mueller.

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

**Office Hours** My office is Thompson 321G; the telephone number is 879-3564. (Location is subject to change in the coming weeks.) Making appointments or simple, non-mathematical questions can be handled via electronic mail — my address is [beezer@ups.edu](mailto:beezer@ups.edu). Office hours will be 11:00–11:50 on Monday, Wednesday and Friday and 10:30–11:20 on Tuesday. I will always be available during these times on a first-come, first-served basis. If these times are not convenient, please do not hesitate to make an appointment with me for another time. You are also welcome to drop by my office without an appointment at any time that I am in (roughly 2 P.M. – 4 P.M. is a good time to try). Office hours are your opportunity to receive extra help or clarification on material from class, or to discuss any other aspect of the course.

**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).

**Reading Questions** For each section of the textbook there will be three reading questions posted on the course web page. Once you have read the section *prior* to our in-class discussion, submit your responses to the reading questions via electronic mail as follows. Do **not** send your responses to my regular email address ([beezer@ups.edu](mailto:beezer@ups.edu)), but instead use the address [calculusC@beezer.privacyport.com](mailto:calculusC@beezer.privacyport.com). Your responses are due at 9 PM of the day prior to the day we discuss the section in class, and will not be accepted late. Use a subject that is **only** the section number. So for example, your first response will be simply titled: 5.1. Do *not* include anything else in the subject line. In the first line of your response, please put your real name, then answer the questions in order.

If a question asks for a computation, you can just give the numerical answer, no need to show your work in the email. If the question is a yes/no answer, or asks “Why?” then give an explanation. Do your best with mathematical notation, but do not fret if it is a bit sloppy or weird, I can usually decipher any reasonable attempt. Please send *only straight text* — no attachments, no Word files, no graphics, no HTML if you can help it. Please pay careful attention to these procedures and deadlines.

**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.

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

**Exams** There will be five 50-minute timed exams — they are all listed on the *tentative* schedule. The lowest of your four exam scores will be dropped. The comprehensive final exam will be given on Friday, December 15 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.

**Grades** Grades will be based on the following breakdown: Exams — 60%; Reading Questions — 10%; Final — 30%. Homework, attendance and improvement will be considered for borderline grades. Scores will be posted on the Internet at <http://buzzard.ups.edu/courses.html>. A reminder about withdrawals — a Withdrawal Passing grade (W) can only be given during the third or fourth 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’ and please read *Academic Handbook* at <http://www.ups.edu/x4727.xml#withdrawal> about these often misunderstood grades.

**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. 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	Wednesday	Friday
Aug 28 Section 5.1	Aug 29 Section 5.2	Aug 30 Section 5.3	Sep 1 Section 5.4
Sep 4 Labor Day	Sep 5 Problem Session Last day to add	Sep 6 Section 5.5	Sep 8 Section 5.6
Sep 11 Section 5.7 Last day to drop with no record	Sep 12 Strang 1.1, 1.2	Sep 13 Strang 1.3, 1.4	Sep 15 Problem Session
Sep 18 Exam #1 Chapter 5	Sep 19 Section 6.1	Sep 20 Section 6.2	Sep 22 Section 6.3
Sep 25 Section 6.4	Sep 26 Problem Session	Sep 27 Section 6.5	Sep 29 Section 6.6
Oct 2 Section 6.7	Oct 3 Problem Session	Oct 4 Exam #2 Chapter 6	Oct 6 Section 7.1
Oct 9 Section 7.2 Last day to drop with automatic W	Oct 10 Section 7.3	Oct 11 Section 7.4	Oct 13 Problem Session

Mid-Term

Monday	Tuesday	Wednesday	Friday
Oct 16 Fall Break	Oct 17 Fall Break	Oct 18 Section 7.5	Oct 20 Section 7.6
Oct 23 Section 7.7	Oct 24 Problem Session	Oct 25 Exam #3 Chapter 7	Oct 27 Section 8.1
Oct 30 Section 8.2	Oct 31 Section 8.3	Nov 1 Section 8.4	Nov 3 Section 8.5
Nov 6 Problem Session	Nov 7 Section 8.6	Nov 8 Section 8.7	Nov 10 Section 8.8 Spring registration begins
Nov 13 Section 8.9	Nov 14 Section 8.10	Nov 15 Problem Session	Nov 17 Exam #4 Chapter 8
Nov 20 Section 9.1	Nov 21 Section 9.2	Nov 22 Thanksgiving	Nov 24 Thanksgiving
Nov 27 Section 9.3	Nov 28 Section 9.4	Nov 29 Section 9.5	Dec 1 Section 9.6
Dec 4 Problem Session	Dec 5 Exam #5 Chapter 9	Dec 6 Housekeeping	

Final Examinations  
Friday, December 15 at 8 AM