

Text We will be using *Calculus* (2nd edition) by G.L. Bradley and K.J. Smith. We will cover material from Chapters 9 through 14 — see the attached **tentative** schedule for the exact sections covered. The *Student Survival & Solutions Manual* is available as an optional text.

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. Making appointments or simple, non-mathematical questions can be handled via electronic mail — my address is beezer@ups.edu. Office hours will be 9:30–10:30 on Monday, Tuesday, Thursday and Friday. 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. 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 This course requires the use of a graphing calculator. It should be capable of displaying the graphs of functions, solving equations and differentiating and integrating numerically. I highly recommend the Texas Instruments TI-86, which is what I will be using. These are available at the bookstore, though you must ask for them at the checkout counter. It is not required that you use this exact model, but whatever you use should have the capabilities listed above.

Homework Homework will be assigned at the conclusion of each section, it will be due at the start of the next class session and will not be accepted late. Of course, you are not limited to working *just* these assigned problems. On the day homework is handed up there will be some time at the start of class for discussion. It is your responsibility to be certain that you are learning from the homework exercises. The best ways to do this are to work the problems diligently when assigned and to participate in the classroom discussion. If at this point you are still 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 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

Study Groups I will be assisting you with the formation of study groups, which will give you another opportunity to discuss the material from this course, and especially the homework problems. I'll suggest you use these groups as a way of going over problems you have already spent some time thinking about.

Quizzes There will be six one-hour quizzes — see the attached sheet for tentative dates. The lowest of your six quiz scores will be dropped. Each quiz will cover one chapter of the text. The comprehensive final exam will be given at 8 A.M. on Wednesday, December 12. The final exam cannot be given at any other time, so be certain that you do not make any travel plans that conflict, 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.

Grades Grades will be based on the following breakdown: Quizzes — 75%; Final — 25%. Homework, attendance and improvement will be considered for borderline grades. Scores will be posted on the World Wide Web 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 *The Logger* about these often misunderstood grades.

Attendance Daily attendance is required and expected, and is 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	Thursday	Friday
Aug 27 Section 9.1	Aug 28 Section 9.2	Aug 30 Section 9.3	Aug 31 Section 9.4
Sep 3 Labor Day	Sep 4 Problem Session	Sep 6 Quiz #1	Sep 7 Section 10.1
Sep 10 Section 10.2	Sep 11 Section 10.3	Sep 13 Section 10.4	Sep 14 Section 10.5
Sep 17 Section 10.5	Sep 18 Section 10.6	Sep 20 Problem Session	Sep 21 Quiz #2
Sep 24 Section 11.1 Last day to drop	Sep 25 Section 11.2	Sep 27 Section 11.3	Sep 28 Section 11.4
Oct 1 Section 11.4	Oct 2 Section 11.5	Oct 4 Problem Session	Oct 5 Quiz #3
Oct 8 Section 12.1	Oct 9 Section 12.2	Oct 11 Section 12.3	Oct 12 Section 12.4

Midterm Break

Monday	Tuesday	Thursday	Friday
Oct 15 Fall Break	Oct 16 Section 12.5	Oct 18 Section 12.6	Oct 19 Section 12.7
Oct 22 Section 12.7/12.8	Oct 23 Section 12.8	Oct 25 Problem Session	Oct 26 Quiz #4
Oct 29 Section 13.1	Oct 30 Section 13.2	Nov 1 Section 13.3	Nov 2 Section 13.4
Nov 5 Section 13.5	Nov 6 Section 13.6	Nov 8 Section 13.7	Nov 9 Section 13.8
Nov 12 Problem Session	Nov 13 Quiz #5	Nov 15 Section 14.1	Nov 16 Section 14.2
Nov 19 Section 14.3	Nov 20 Section 14.4	Nov 22 Thanksgiving	Nov 23 Thanksgiving
Nov 26 Section 14.5	Nov 27 Section 14.6	Nov 29 Section 14.7	Nov 30 Problem Session
Dec 3 Quiz #6	Dec 4 Housekeeping		

Final Examination
Wednesday, December 12 at 8 A.M.