Text   We will be using *University Calculus, (First Edition)*, by Hass, Weir & Thomas as our primary textbook. The bookstore is also stocking an optional text, *Just-in-time Algebra and Trig for Early Transcendentals* by Mueller for those needing a review of high school algebra or trigonometry.

I will also be referencing an open content (i.e. free) text, *Whitman Calculus*, by David Guichard of Whitman College. Look for a link on the course web page, along with links to other free texts.

Home Page   Start at `http://buzzard.ups.edu/courses.html` to locate course information.

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 2:00–2:50 on Monday, Tuesday, Thursday and Friday. 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.

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

Computations   You may use a calculator or a computer program 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 or a laptop for connecting to Sage will be useful.

Exams   There will be seven 50-minute timed exams — they are all listed on the *tentative* schedule. The lowest of your seven exam scores will be dropped. The comprehensive final exam will be given on Wednesday, December 14 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 — 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   Three 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).

"Regular class attendance is expected of all students. When non-attendance is in the instructors judgment excessive, the instructor may levy a grade penalty or may direct the Registrar to drop the student from the course." See
`http://www.pugetsound.edu/student-life/student-resources/student-handbook/`
`academic-handbook/registration-for-courses-of-in/#Attendance`.

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.pugetsound.edu/student-life/student-resources/student-handbook/`
`academic-handbook/grade-information-and-policy/#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 Integrity (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.pugetsound.edu/student-life/student-resources/student-handbook/`
`academic-handbook/academic-integrity/`.

Attendance   Daily attendance is required, expected, and overall a pretty good idea. Thus I expect your attendance and I expect you to arrive to class in time to be prepared at the start of the hour. To this end, I will take track attendance and late-arrivals. If you arrive late to class, you will want to check with me afterwards to be sue I have not recorded you as absent. If attendance becomes a problem in your case, I will give you a warning before imposing a grade penalty.

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. 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 29 Syllabus Section 1.1	Aug 30 Section 1.2	Sep 1 Section 2.1	Sep 2 Section 2.2
Sep 5 Labor Day Holiday	Sep 6 Section 2.3	Sep 8 Discussion	Sep 9 Exam 1
Sep 12 Section 1.3	Sep 13 Section 2.4	Sep 15 Section 2.5	Sep 16 Section 2.6
Sep 19 Section 2.7	Sep 20 Discussion	Sep 22 Exam 2	Sep 23 Section 1.4
Sep 26 Section 3.1	Sep 27 Section 3.2	Sep 29 Section 3.3	Sep 30 Section 3.4
Oct 3 Section 3.5	Oct 4 Section 3.5	Oct 6 Discussion	Oct 7 Exam 3
Oct 10 Section 1.5 Last day to drop	Oct 11 Section 3.6	Oct 13 Section 3.7	Oct 14 Section 3.8

Midterm

Monday	Tuesday	Thursday	Friday
Oct 17 Fall Break	Oct 18 Fall Break	Oct 20 Section 3.9	Oct 21 Section 3.9
Oct 24 Section 3.11	Oct 25 Section 3.10	Oct 27 Discussion	Oct 28 Exam 4
Oct 31 Section 4.1	Nov 1 Section 4.2	Nov 3 Section 4.3	Nov 4 Section 4.4
Nov 7 Discussion	Nov 8 Exam 5	Nov 10 Section 4.5	Nov 11 Section 4.5
Nov 14 Section 4.6	Nov 15 Section 4.7	Nov 17 Section 4.8	Nov 18 Discussion
Nov 21 Exam 6	Nov 22 Section 5.1	Nov 24 Thanksgiving Holiday	Nov 25 Thanksgiving Holiday
Nov 28 Section 5.2	Nov 29 Section 5.3	Dec 1 Section 5.4	Dec 2 Discussion
Dec 5 Exam 7	Dec 6 Housekeeping Snow Day		

Final Examination

Wednesday, December 14 at 8 AM

Homework Exercises

Section	Page	Exercises
1.1	11	5, 15, 20, 55, 58
1.2	20	10, 17, 21, 22, 56, 57
2.1	61	1-4, 7, 9, 11, 15, 17
2.2	71	71, 78, 79, 3, 4, 14, 20, 28, 50, 61, 65
2.3	80	7, 10, 15, 16, 25, 26, 37, 38
1.3	28	4, 6, 9, 13, 14, 25, 33, 35, 39, 41, 60ab
2.4	94	3, 6, 9, 22, 29, 47, 55, 57
2.5	102	4, 8, 17, 21, 30, 31, 36, 37, 40, 41, 61
2.6	113	5-10, 15, 18, 20, 35, 36, 41, 46, 47
2.7	118	5, 8, 9, 13, 18, 28, 29
1.4	35	2, 9, 25, 28, 29, 30, 31, 33, 34
3.1	132	1, 4, 9, 15, 23, 27-30, 33, 39, 40
3.2	144	1, 3, 7,...,46 (by 3's), 50, 51, 54
3.3	153	7, 10, 13, 15, 17, 23, 24, 28
3.4	162	1-29 odd, 31, 36, 41, 48, 49
3.5	173	2, 5, 11, 16, 19, 24-72 by 3's, 78, 109, 110
1.5	47	10, 16, 25, 28, 31, 45, 51, 52
3.6	181	1-13 odd, 21, 24, 28, 39, 44
3.7	192	13-40 by 3's, 51, 52, 57, 61, 67-88 by 3's
3.8	199	21 - 41 odd, 48, 65
3.9	205	13, 14, 16, 17, 19, 24, 33
3.10	218	5, 11, 12, 17, 27, 31, 40, 43, 45, 48, 54
3.11	225	2, 8, 11b, 13-35 odd, 45
4.1	243	1, 3, 5, 7, 9, 17, 18, 19, 20, 29, 30, 31, 39, 47, 57, 58
4.2	251	1, 3, 5, 23, 24, 29, 48, 53, 55
4.3	258	1, 3, 5, 7, 11, 19, 29, 32, 37, 43
4.4	267	1, 3, 13, 15, 25, 27, 29, 33, 35, 42
4.5	276	8, 11, 15, 20, 22, 25
4.7	294	2, 3, 6, 10, 18
4.6	289	4, 5, 13, 18, 21, 29, 37, 46, 58, 66
4.8	302	27-69 by 3's, 92, 93, 119
5.1	322	2, 3, 6, 10, 11
5.2	331	7, 8, 13, 14, 19, 36, 37
5.3	341	9, 10, 15, 16, 17, 18, 39, 42, 45, 47, 59
5.4	345	3-33 by 3's, 41, 42, 52, 53