Course Guidelines
University of Puget Sound
Dr. Beezer

Calculus II
Math 181B
Spring 2021

Texts

We will be using *Calculus*, Fourth Edition, by Jon Rogawski, Colin Adams, and Robert Franzosa as our textbook.

Course Web Page

Off of buzzard.ups.edu/courses.html you can find the link to the course web page.

Office Hours

Office Hours will be online, via Zoom, by appointment. Monday, Thursday and Friday mornings I am in class, and the remainder of weekdays I should be available. Making appointments or simple, **non-mathematical** questions can be handled via email—my address is beezer@ups.edu. I rarely do not receive your email, and I read all of my email all of the time, usually very shortly after receiving it. Urgency of replying varies by the hour, day and nature of the message. Please do not use email for any question that requires a **mathematical** reply. Email is not a good medium for discussing mathematics.

Class Preparation

I expect that you will have read the relevant section of the textbook **prior** to class. You can see on the calendar which section we will be discussing each day, so there is no uncertainty about the day's topics. To this end there will a few of the easier WeBWorK exercises included in each set related to the reading.

Practice

We will work problems in WeBWorK, an online system. These will be due at 6:00 AM on the mornings **when we are scheduled to begin the next section**. I will demonstrate the system in class and you can find a link on the course page. Your total percentage correct for each of four intervals (prior to each exam) will be equally weighted to form your score on this part of the course. These problems cannot be accepted late.

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, start studying them early, and participate in classroom discussions. If at this point you are still unsure about a problem, then a visit to my (virtual) office is in order, since you are obviously not prepared for the examination questions. Making a consistent effort outside of the classroom is the easiest way (only 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

WeBWorK information:

- Your username is the **first part** of your UPS email address—everything up to, but not including, the `@` character.
- Your **initial** password is your UPS ID number (`7` digits, starts with a `5`).
- It should be obvious where/how to change your password and other settings.
- Please change your password, so your work is secure, and record it somewhere so you do not have to ask me to reset it.
- The `Preview` button just lets you check that what you typed as an answer is what you meant, without it being recorded as an attempt. Use `Submit` to have your answer checked.
- Generally, you have an unlimited number of attempts on a problem.
- The numbers on the problems will correspond to the Second Edition of the text, not the Fourth Edition.
- There is an "Orientation" problem set waiting for you!

Examinations

There will be four 50-minute timed exams—they are all listed on the **tentative** schedule. There will be a comprehensive final exam, but a time has not been set by the Registrar. The final exam cannot be given at any other time and also be aware that I may 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.***

Come to examinations prepared to remain in the room for the entire length of the exam. Power off any electronic devices (this includes phones).

Grades

Grades will be based on the following breakdown:

- Examinations: 50%
- WeBWorK Questions: 25%
- Final Examination: 25%

Attendance and improvement will be considered for borderline grades. Scores will be posted anonymously on the web at a link off the course page.

Academic Policy Reminders

Here are three reminders about important academic policies which are described thoroughly in the "Academic Policies" section of the *University Bulletin*. The online version is off of

`www.pugetsound.edu/academics/academic-resources/university-bulletins/`

or a printed copy may be requested from the Registrar's Office (basement of Jones Hall).

- *Registration for Courses of Instruction, Non-Attendance.*

  "Regular class attendance is expected of all students. Absence from class for any reason does not excuse the student from completing all course assignments and requirements."

- *Grade Information and Policy, Withdrawal Grades.*

  Withdrawal grades are often misunderstood. A Withdrawal grade (W) can only be given prior to the university deadline listed on our course schedule, and 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'.

- *Academic Integrity.*

  All of your graded work is expected to be ***entirely*** your own work, this includes Reading Questions and Writing Exercises. 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.

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, technology 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 a waste of your time.

Conduct

Virtual: Please find a quiet place with a good connection to attend online sessions, so that we might better have questions and discussions. I appreciate it if you can leave your camera on—please contact me privately if this is a problem. Please do not use chat to ask questions, or to talk to one another. You can use chat to be recognized with a question, or simply hold up your physical hand close to your camera.

In-Person: Daily attendance is required, expected, and overall a pretty good idea. Class will begin on-time, so be here, settled-in, and ready to go. In other words, walking in the door at the exact time class is to begin is not considered being on-time. Repeated tardieness and absences will result in grade penalties, in accordance with university policies. Do not leave class during the lecture unless remaining would be a greater distraction—fill your water bottles, use the toilet, and so on, **IN ADVANCE**. Come to class prepared to be attentive for 50 minutes. Mask-wearing is required at all times. Do not bring food or drink since you would need to remove your mask to consume it. Please keep phones in your pocket or bag, unless you are using them to read course material. In short, we are here to learn and discuss mathematics. It is your responsibility to not distract your peers who are serious about their education, or distract me as I endeavor to make the best use of the class time for everybody.

University Notices

These are multiple notices the university administration requests we duplicate for you.

- *Classroom Emergency Response Guidance.*

  Please review university emergency preparedness, response procedures and a training video posted at www.pugetsound.edu/emergency/. There is a link on the university home page. Familiarize yourself with hall exit doors and the designated gathering area for your class and laboratory buildings.

  If building evacuation becomes necessary (e.g. earthquake), meet your instructor at the designated gathering area so she/he can account for your presence. Then wait for further instructions. Do not return to the building or classroom until advised by a university emergency response representative.

  If confronted by an act of violence, be prepared to make quick decisions to protect your safety. Flee the area by running away from the source of danger if you can safely do so. If this is not possible, shelter in place by securing classroom or lab doors and windows, closing blinds, and turning off room lights. Lie on the floor out of sight and away from windows and doors. Place cell phones or pagers on vibrate so that you can receive messages quietly. Wait for further instructions.

- *Student Religious Accommodation.*

  The university provides reasonable religious accommodations for academic courses and programs, and the university policy is found at this location[1]. If you need a reasonable accommodation due to a religious holiday or organized religious activity, you must give me written notice within the first two weeks of class so that we can coordinate the accommodation. If you have questions about the policy, you may contact the University Chaplain. If you have a grievance about the application of the policy or the handling of your request for an accommodation, you may contact the Dean of the Faculty.

Learning Outcomes

The University Curriculum Committee and accrediting agencies expect to see a list of learning outcomes.

- Understand a definite integral as a sum of a varying quantity.
- Understand a definite integral as a the net change of a rate of change.
- Become proficient at techniques for finding antiderivatives, including differential equations.
- Appreciate applications of integration.
- Understand infinite series as an infinite sum.

Please review these at the **end** of the semester when they will be easier to understand.

[1] www.pugetsound.edu/about/offices-services/human-resources/policies/campus-policies/student-religious-accommodations-in-academic-courses-or-programs

Tentative Daily Schedule

Monday	Tuesday	Thursday	Friday
Jan 18 MLK Day	Jan 19 Syllabus WeBWorK Section 5.1	Jan 21 Section 5.2	Jan 22 Section 5.3
Jan 25 Section 5.4/5.5	Jan 26 Section 5.6 Elect CR/NC	Jan 28 Section 5.7/5.8	Jan 29 Section 6.1
Feb 1 Section 6.2 Last Day to Drop w/o Record	Feb 2 Section 6.3	Feb 4 Section 6.3/6.4	Feb 5 Section 6.4
Feb 8 Section 6.5	Feb 9 Section 7.1	Feb 11 Section 7.1	Feb 12 Section 7.2
Feb 15 Review	Feb 16 Exam 1 Chapters 5, 6	Feb 18 Spring Break 1	Feb 19 Spring Break 2
Feb 22 Section 7.2	Feb 23 Section 7.3	Feb 25 Section 7.3	Feb 26 Section 7.4
Mar 1 Section 7.5	Mar 2 Section 7.5/7.7	Mar 4 Section 7.7	Mar 5 Section 7.8
Mar 8 Section 7.8	Mar 9 Section 10.1	Mar 11 Section 10.1/10.2	Mar 12 Section 10.2

Mid-Term

Tentative Daily Schedule

Monday	Tuesday	Thursday	Friday
Mar 15 Review	Mar 16 Exam 2 Chapter 7	Mar 18 Section 10.3	Mar 19 Section 10.3/10.4
Mar 22 Section 10.4	Mar 23 Section 10.5	Mar 25 Section 10.5/10.6	Mar 26 Section 10.6
Mar 29 Spring Break 3	Mar 30 Spring Break 4	Apr 1 Section 10.7	Apr 2 Section 10.7/10.8
Apr 5 Section 10.8	Apr 6 Section 8.1	Apr 8 Section 8.1/8.2	Apr 9 Section 8.2
Apr 12 Review	Apr 13 Exam 3 Chapter 10	Apr 15 Section 9.1	Apr 16 Section 9.1/9.2 Last Day to Drop w/ a W
Apr 19 Section 9.2	Apr 20 Section 9.3	Apr 22 Section 9.3/9.4	Apr 23 Section 9.4
Apr 26 Section 11.1	Apr 27 Section 11.1/11.2	Apr 29 Section 11.2	Apr 30 Review
May 3 Snow Day	May 4 Exam 4 Chapters 8, 9, 11	May 6 Reading Period	May 7 Reading Period

Final Examination: TBA

(Revised: February 7, 2021; middle of Chapter 7 adjusted)