

MAC 2311 (PHPB) Fall 2020

Instructor: Dr. Darryl Chamberlain Jr.

Office hours: All office hours will be conducted via Zoom. Links will be provided in Canvas once office hours are set.

Students do not need to purchase any additional materials for the course. The textbook and online homework system are free to students.

Course Description

MAC 2311 is the first in the three-semester sequence MAC 2311, MAC 2312, and MAC 2313 covering basic calculus. Intended topics will include functions and inverse functions, limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals.

Course Goals

This course will introduce students to the ideas of limit, derivative and integral for functions of a single variable. Upon completion, students will be able to understand the theory as well as applications to medicine.

Weekly Schedule of Topics

Week 1: Review of Precalc and Introduction to Limits

Week 2: Rates of Growth and Indeterminate Forms

Week 3: Derivatives

Week 4: Group Presentations and Exam 1

Week 5: Product/Quotient Rules and Rates of Change

Week 6: Trig Derivatives and Chain Rule

Week 7: Logarithmic and Implicit Differentiation

Week 8: Group Presentations and Exam 2

Week 9: Related Rates and Linear Approximations

Week 10: Critical Points, Inflection Points, and MVT

Week 11: L'Hospital's Rule and Curve Sketching

Week 12: Group Presentations and Exam 3

Week 13: Thanksgiving Break

Week 14: Antiderivatives and the Fundamental Theorem of Calculus

Week 15: Integration by u-Substitution

Overview of Assignments and Grading

Assignment Type	Total %	Breakdown	Due Dates	Description
Homework	12%	4% per exam	Class time of exam days.	Traditional homework completed through Xronos.
Solo Presentations	10%	5% per presentation	End of semester	One student will present per class.
Group Presentations	15%	5% per presentation	During class before each exam.	Groups will be assigned a topic and present a summary w/ practice questions.
Notes Portfolio	12%	4% per exam	Class time of exam days.	You will turn in notes for each topic a student has presented on.
Exams	51%	12% per midterm and 15% for final	During class and assigned final time.	Exams will be all multiple-choice.

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All grades during the semester will be rounded to two decimal places. All final grades will be rounded to 0 decimal places (*i.e., an 89.5% will be rounded up to a 90 and thus be an A*).

A	90 - 100	D+	60 - 64
A-	87 - 90	D	57 - 60
B+	84 - 87	D-	54 - 57
B	80 - 84	E	0 - 54
B-	77 - 80		
C+	74 - 77		
C	64 - 74		

Attendance and Make-Up Assignments

Attendance as a PHPB student

Daily attendance is not mandatory but is highly encouraged. As PHPB students:

[Maintain consistent class attendance. Students with frequent or recurrent unexcused absences may not be allowed to continue in PHPB.](#)

Recurrent unexcused absences for this course are ***two consecutive absences***. Frequent unexcused absences for this course are ***three absences in a month***. An advisor will be notified if a student has frequent or recurrent unexcused absences.

Make-Up Assignments

- **Homework:** Homework is due before each exam. Since homework is open for approximately one month, there are no extensions or make-ups.
- **Solo Presentations:** Students are expected to present twice during the semester. Since presentation dates are flexible and chosen by the student, there are no extensions or make-ups.
- **Group Presentations:** Group presentations will be completed the class period before an exam. If a student has an excused absence during a Group Presentation day, they will be able to complete an alternative assignment for credit.
- **Notes Portfolio:** Notes are due before each exam. Students will be penalized 10% for each day the notes are late. Students with an excused absence on the due date or shortly after will have an extended time to turn in their notes (equal to the number of excused days of absence).
- **Exams:** Students with an excused absence during an exam day will be allowed to make up the exam within 1 week. Make-up exams are free-response with no partial credit.

[Attendance and make-up policies are consistent with UF policy.](#)

Accommodations

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center. [Click here to get started with the Disability Resource Center.](#) It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

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Course Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluer.com/ufl/>. Summaries of course evaluations are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Privacy Statement

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

UF Honesty Policy

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. [Click here to read the Honor Code](#). Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor in this class.

Health and Wellness Campus Resources

U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit [U Matter, We Care website](#) to refer or report a concern and a team member will reach out to the student in distress.

Counseling and Wellness Center: [Visit the Counseling and Wellness Center website](#) or call 352-392-1575 for information on crisis services as well as non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or [visit the Student Health Care Center website](#).

University Police Department: [Visit UF Police Department website](#) or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [Visit the UF Health Emergency Room and Trauma Center website](#).

Academic Campus Resources

E-learning technical support: Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Library Support: Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420.

Student Complaints On-Campus: [Visit the Student Honor Code and Student Conduct Code webpage for more information](#).

On-Line Students Complaints: [View the Distance Learning Student Complaint Process](#).