

Calculus with Analytic Geometry I

MAC 2311 (Flipped) Lecture

INSTRUCTOR INFORMATION:

Instructor: Chamila Malagoda Gamage
Office: Little Hall 320
E-mail: cgamage@ufl.edu
Office Hours: M7, W5, F7 (In-Person at LIT 320),
M5, W7, F5 (On Zoom),
or by appointment.

MAIN LECTURE TIMES:

MWF P3 9:35am-10:25am LIT 225
MWF P4 10:40am-11:30am LIT 225
MWF P6 12:50pm-1:40pm LIT 201

4 Credit Hours
Fall 2023

Information about the Learning Assistants and Teaching Assistants will be updated on the class webpage.

Prerequisites:

Appropriate score on the ALEKS placement assessment, or MAC 1147 (or its equivalent, both MAC 1140 and MAC 1114) with a C (2.0) or better.

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.

A minimum grade of C (not C-) in MAC 2311 satisfies the four credits of general education requirement and satisfies the pure math portion of the state Writing/Math requirement.

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. The course will prepare students for MAC2312.

Required Materials:

There are no required textbooks for this course. We will make use of a free online textbook available at [Openstax Calculus Volume 1](#). Also, in this course we will use the online platform Xronos which has been developed at UF and is supported by the Office of the Provost and the College of Liberal Arts and Sciences. Xronos is only accessible through Canvas. Lastly, participation in class will be done using the work collected from group work which is provided by the instructor.

E-Learning Canvas:

E-learning canvas, a UF course management system, is located at <https://elearning.ufl.edu/>. Use your Gatorlink username and password to login. All course information including your grade, course homepage, syllabus, lecture outlines, office hours, test locations, mail tool, discussion forum, free help information, etc. can be accessed from this site.

You are responsible for verifying that your grades are accurate. **You have one week after a score has been posted to contact your TA if you believe there has been a recording error. There is no grade dispute at the end of the semester.**

Please note: Important course information is clearly communicated in this course guide, the MAC 2311 homepage and links in Canvas, and announcements in lecture and discussion. Due to the volume of email received by the instructor and TAs, we cannot reply to each request for this well publicized information. If you cannot find your answer in the resources above, there is also a Discussion Forum available in Canvas. Please use this to post questions and to supply answers to your fellow students.

E-mail:

All communication between students and instructor should be respectful and professional. All official class communications will be sent only to the ufl.edu addresses. Students are responsible for acquiring, checking their email accounts regularly, and any class information sent to their ufl.edu account. Please be sure to sign your name to your e-mails.

Lectures:

Students are expected to come to each lecture prepared. The style of this course is “flipped”, which means much of your initial learning will happen before class even begins. You will watch online videos on topics, take lecture quizzes and THEN come to class to practice and reinforce the material for future quizzes and exams. You are encouraged to make use of the resources available to you to help you succeed in this course. I will post additional references and study material on our canvas home page as it becomes available.

Discussion Sections:

Your discussion section meets once a week on either Tuesday or Thursday. These meetings give you a valuable opportunity for open discussion of the lecture material and assigned problems in a smaller class setting. **Attendance in discussion is required** as it is where assessment of your skills will take place.

(There will be a weekly quiz). Use this time to ask any questions that came up during your homework assignments or during lectures since these problems will only appear again on the upcoming exams!

Be sure to take advantage of the opportunities outside of class for additional help. Your main resource is your discussion leader. They will be available during office hours (or by appointment) to answer your questions about the course material. Your TA is responsible for grading and recording all quiz scores. You must retain all returned papers in case of any discrepancy with your course grade.

If you do not attend a scheduled discussion class and miss a quiz, the quiz is a zero and becomes one of your drops for the semester. Drops are in place with the express purpose that you will not need a make-up. Even if life happens and you miss a few quizzes this semester, you will not be penalized for it due to the quiz drops. If your circumstances are even more extenuating and you are missing many quizzes, you'll want to contact your instructor.

You should check Canvas regularly and consult with your TA if you have any questions about recorded grades for quizzes. All grade concerns must be taken care of **within one week of receiving the score**.

If you have concerns about your discussion class which cannot be handled by your TA, please contact your instructor.

Tests:

Mid-term exam dates are as follows:

Exam 1:	Wednesday, September 20
Exam 2:	Tuesday, October 17
Exam 3:	Tuesday, November 14
Makeup Exam:	TBD, 6:15pm – 7.55pm (Tentative)
Final exam:	Monday, December 11,

There will be three (paper and pencil) mid-terms throughout the semester. The midterms will consist of two parts. Part 1 will be multiple choice questions. Part 2 of the mid-term exams will consist of long response problems. There are **no** exam drops.

These exams are assembly exams and will take place in the evening, from 8:30 to 10:10pm.

The FINAL EXAM will take place on December 11 at 12:30pm – 2:30pm. Once this date is posted, make a note of this, and please inform any interested parties who may be making plans for you around that time (such as purchasing plane tickets, travel plans, etc.).

Online Homework:

In this course we will be using the online platform Xronos which is free and will be explained during class. Online homework assignments will be assigned daily and must be completed by the specified due date. There will be at least 2 dropped Xronos homework grades at the end of the semester. **Please use the Firefox browser and Canvas for completing Xronos assignments.** (I'm sure I will state this about a hundred times throughout semester too!)

Xronos homework assignments have posted due dates. These due dates occur the day before the exam for which the material belongs to. For example, all Xronos assignments on the Exam 1 material are due the day before Exam 1.

Personal computer issues are not an excuse for offering an extension. Please come to me as soon as any issues are occurring and do not wait until the last moment to try submitting all assignments. 😞

Class Participation:

Attendance in class both in the lecture and discussion section is highly recommended. Students who come to class and participate are more likely to do well in the course. Participation will be a part of your grade. Each day you arrive, have a short 15-minute refresher of material, and then complete classwork in small groups. Learning assistants and I will walk around the room to help throughout the entire period. If you complete work early, you may work on Xronos homework or work on additional exercises found on Canvas for practice. You must remain in class for the period and turn in your classwork at the end of each class to receive class participation points. Your classwork is scored as either 1 point, 0.5 points, or 0 points. 1 point indicates a great to finished attempt at the classwork. 0.5 points is a classwork that has only a couple of problems attempted. 0 points usually indicates no classwork was turned in for the day or you were absent from class that day.

There are **NO** classwork make-ups. You will not be able to e-mail me classworks at an earlier or later date. Classworks take place in class, and you will only receive credit if you work on them in class and turn them in at the end of the period. I will revisit this in detail during the first day of class.

Class participation will be 5% of your grade.

Discussion Quizzes:

With the exception of the first week of classes, there will be weekly quizzes during your discussion classes, based on the classwork assignments. Discussion Quizzes make up a total of 10% of your grade. The quizzes will be administered by your TA and any questions about the grades should be directed to them.

Make-up Policy:

UF Attendance Policies:

UF has outlined acceptable reasons for absence from or failure to participate in classes at <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

Following these guidelines students are allowed a reasonable amount of time to make up the missed assessments from class. In our course this **only** covers assembly exams and discussion quizzes. The class policy outlined for both assembly exams and discussion quizzes is below.

Exam conflicts:

(<https://catalog.ufl.edu/UGRD/academic-regulations/examination-policies-reading-days/>)

“Exams may be held Monday - Friday from 8:20-10:10PM (periods E2-E3) for the fall and spring terms. If other classes are scheduled during exam time, instructors must provide make-up class work for students who miss class because of an assembly exam. If two exams are scheduled at the same time, assembly exams take priority over time-of-class exams. When two assembly exams conflict, the higher course number takes priority. Instructors giving make-up exams will make the necessary adjustments.”

If MAC 2311 is the lower course number, students must inform their instructor in person at least ONE WEEK in advance of the exam date so that appropriate accommodations can be made. Otherwise, it may not be possible to reschedule.

Make-up Exams:

If you are participating in a UF sponsored event or religious observance, you may make up an exam only if you plan with your instructor at least ONE WEEK PRIOR to the event. You must present documentation of a UF sponsored event.

If illness or other extenuating circumstances cause you to miss an exam, contact your instructor (no later than 24 hours after the exam) by email. Then, as soon as possible after you return to campus, bring the appropriate documentation to him in Little Hall during office hours. You will be allowed to sign up to take a makeup exam at the end of the semester (date and location TBA). During this make-up exam day, you will let the instructor know which of the three midterms you are there for to make up.

Make-up Xronos HW:

There are no make-ups for Xronos HW. You have the entire exam period to complete the relevant assignments and they are due the day before the exam. Start them early and reach out if you have any questions.

Make-up class participation points:

There are no make-ups. You will need documentation (contact through the CARE team, link just below) to have the assignment excused. Even if a student excuses a classwork assignment, they are still responsible for knowing the material for the upcoming quizzes and exams.

Make-up discussion quizzes:

Students who miss a discussion quiz due to illness, severe family emergency, and/or severe weather as outlined in the UF Attendance Policies and wish to make up the quiz must contact their instructor through the Dean of Students office CARE team at <https://care.dso.ufl.edu/instructor-notifications/> with appropriate documentation. Once the instructor receives notice from the CARE team covering the dates during which the quiz took place the student will be able to attend to make up a discussion quiz.

Students who miss a discussion quiz due to other reasons as outlined in the UF Attendance Policies (e.g. special curricular requirements, religious holidays, official university activities, etc.) must contact their instructor either through email or in person at least ONE WEEK in advance of the quiz.

Quiz make-up period dates will be announced throughout the semester as they become relevant.

You must attend the make up period that is **directly after** the quiz you missed. For example, if you missed a quiz on October 1st, you must attend the next available make-up period on October 18th to make up this quiz and no other. If you cannot attend, then the quiz will be one of your drops.

In addition, at least two discussion quiz grades will be dropped at the end of the semester.

Incomplete “I” Grade:

Students who are currently passing a course but are unable to complete the course because of illness or emergency may be granted an incomplete grade of I which will allow the student to complete the course within the first two weeks of the following semester. See the policy on

<https://www.advising.ufl.edu/academicinfo/clas-policiesprocedures/incomplete-grades/>

If you meet the criteria, you must see your instructor before finals week to be considered for an I. An “I” only allows you to make up your incomplete work, not redo your work.

Grading Scheme:

Lecture Quizzes (Drop 2)	5%
Xronos Homework (Drop 2):	5%
Discussion Quizzes (Drop 2):	5%
Participation (Classworks) (Drop 2):	15%
Midterm exam average (No Drops):	45%
Final Exam:	25%

Grading Scale:

Your final grade will be rounded to the nearest hundredth and a letter grade will be given using the following grading scale:

90-100 A	87-90 A-	84-87 B+	80-84 B
77-80 B-	74-77 C+	67-74 C	64-67 C- *
60-64 D+	57-60 D	54-57 D-	0-54 E

***Note** A grade of C- DOES NOT give Gordon Rule or General Education credit!

For those electing the S-U option: 67-100 S and 0-67 U

Approval of the S-U option must be obtained from your instructor. The deadline for filing an application with the Registrar and further restrictions on the S-U option are given in the Undergraduate Catalog.

For a complete explanation of current policies for assigning grade points, refer to the UF undergraduate catalog:

<https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>

NOTE: We will not review disputed points at the end of the semester. All grade concerns must be settled within one week of the return of the paper.

Extra Credit:

Each midterm exam has 105 points on it but is taken out of 100 points. The final exam has 110 points on it but is taken out of 100 points. Because of this, inherent in each exam are bonus points. There are also extra credit discussion boards worth two points each. There is one of these boards for each exam period. I will discuss discussion boards more in class.

Getting extra help:

In addition to attending your discussion section regularly and visiting your discussion leader, lecture, or the course coordinator, during their office hours, the following aids are available.

- The Math Help Center in Little 215 is open for drop-in assistance with homework Monday through Friday from 9:30 to 4:00. It is staffed by mathematics graduate students and undergraduate assistants. Please note that this space is not designed for intense one-on-one tutoring, but rather as a resource for quick questions and explanations. You should not expect the staff to help you if you have not at least begun your homework and have specific questions. Moreover, they absolutely will not assist you with quizzes or any other such work.
- The Teaching Center Math Lab, located in SE Broward Hall, is a tutorial service staffed by trained math and science students to provide help with your calculus questions and homework. Tutors will be glad to provide guidance on specific problems after you have attempted them on your own. You may want to attend different hours to find tutors with whom you feel most comfortable. You can also request free one-on-one tutoring.

The math lab also offers a more structured tutoring program for MAC 2311, called supplemental instruction. A tutor, assigned specifically to MAC 2311, provides weekly help sessions. More details will be provided in lecture.

In addition, the Broward teaching center tutors hold reviews on the evenings before each exam. They also provide videos of review and sample test problems. Check the webpage, <https://umatter.ufl.edu/office/teaching-center/>, for a map of the location, tutoring hours, and test review dates and locations. All students are encouraged to use the teaching center.

- The Office of Academic Support offers free one-on-one and small group tutoring sessions to an UF students. See <https://oas.aa.ufl.edu/students/tutoring/> for details.
- Textbooks and solutions manuals are located at reserve desks at Marston Science Library.
- Private Tutors: If after availing yourself of these aids, you feel you need more help, you may obtain a list of qualified tutors for hire at math.ufl.edu. Search "tutors".

Calculators:

Calculators are **NOT** permitted on exams and discussion assignments. Please avoid using a calculator on homework as it will not help you prepare for the exams.

Cell Phones:

Cell phones must be maintained in such a way to not distract your fellow classmates. During the lecture at the beginning portion of the class, please ensure your phone is either on vibrating or silent. The same is true when you are working in small groups with your classmates. Use common sense so you are not distracting the instructor, your classmates (or yourself) with your phone usage. Please do not have a phone out at all during exams or quizzes. It is best in your pocket on silent during tests and quizzes.

Music Players:

iPods and other music players are not to be used during class (including while taking tests and quizzes). Having one out during a test or quiz will result in a grade of zero and possible disciplinary action.

Students with Learning Disabilities:

Students requesting class and exam accommodations must first register with the Dean of Students Office Disability Resource Center (DRC), <https://disability.ufl.edu/get-started/>. That office will provide a documentation letter via email to your instructor. This must be done as early as possible in the semester, at least one week before the first exam, so there is adequate time to make proper accommodations.

Diversity and Inclusion:

The Mathematics Department is committed to diversity and inclusion of all students. We acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements. It is our intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.

Academic Honesty Guidelines:

All students are required to abide by the Academic Honesty Guidelines which have been accepted by the University. The academic community of students and faculty at the University of Florida strives to develop, sustain, and protect an environment of honesty, trust, and respect. Students are expected to pursue knowledge with integrity. Exhibiting honesty in academic pursuits and reporting violations of the Academic Honesty Guidelines will encourage others to act with integrity. Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XIV of the Student Code of Conduct. The conduct set forth hereinafter constitutes a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017).

The Mathematics Department expects you to follow the Student Honor Code. We are bound by university policy to report any instance of suspected cheating to the proper authorities. You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>

In-Class Recording:

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third-party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040

Evaluations:

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course 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 will be notified when the evaluation period opens via e-mail. Students can complete evaluations through this email or in their Canvas course menu under GatorEvals on the left navigation bar. Summaries of course evaluation results are available to students at: <https://gatorevals.aa.ufl.edu/public-results/>.

Important Fall 2023 Academic Dates and Deadlines

Classes Begin	Wednesday, August 23
Drop/Add	Wednesday, August 23 – Tuesday, August 29 (11:59pm)
Withdrawal deadline (full refund)	Tuesday, August 29 (11:59pm)
Withdrawal with 25% Refund	Friday, September 15
Withdrawal Deadline (no Refund)	Monday, November 20
Classes End	Wednesday, December 6

Holidays (No Classes)

Labor Day	Monday, September 4
Homecoming	Friday, October 6
Veterans Day	Friday, November 10
Thanksgiving Break	Wednesday, November 22 - Saturday, November 25

Note: Information in this syllabus is subject to change. Any changes will be clearly announced in class or through e-mail.