

# Calculus with Analytic Geometry I

## MAC 2311 Lecture

4 Credit Hours

Spring 2021

Instructor: Dr. Stephen Adams  
E-mail: stephen.adams@ufl.edu  
Office Hours: MWF Period 5 (11:45 AM - 12:35 PM)  
T Periods 5-7 (11:45 AM - 2:45 PM)

### Lectures

Section 02H2 & 099D	MWF Period 6 (12:50 PM - 1:40 PM)	LIT 225
Section 2107 & 2108	MWF Period 6 (12:50 PM - 1:40 PM)	Online
Section 7652 & 7656	MWF Period 7 (1:55 PM - 2:45 PM)	LIT 225
Section 2109 & 2110	MWF Period 7 (1:55 PM - 2:45 PM)	Online
Section 3E05 & 7665	MWF Period 8 (3:00 PM - 3:50 PM)	LIT 225
Section 2111 & 2112	MWF Period 8 (3:00 PM - 3:50 PM)	Online

<u>Teaching Assistants</u>	<u>Office Hours</u>	<u>Email</u>
Tharusha Bandara	TBA	bandarac@ufl.edu
Michael Engen	TBA	engenmt@ufl.edu
Connor Morrow	TBA	connorfmorrow@ufl.edu
Sam Vancini	TBA	svancini@ufl.edu

<b>Discussion Section</b>	<b>Time</b>	<b>Location</b>	<b>TA</b>
099D & 2107	R Period 3 (9:35 AM - 10:25 AM)	Online	Bandara
02H2 & 2108	R Period 4 (10:40 AM - 11:30 AM)	Online	Bandara
7652 & 2109	R Period 5 (11:45 AM - 12:35 PM)	Online	Vancini
7656 & 2110	R Period 7 (1:55 PM - 2:45 PM)	Online	Engen
7665 & 2111	R Period 6 (12:50 PM - 1:40 PM)	Online	Vancini
3E05 & 2112	R Period 7 (1:55 PM - 2:45 PM)	Online	Morrow

**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.

MAC 2311 begins with a short review of precalculus topics. **You should already be competent in working this material.** We **strongly recommend** that students who are having difficulty with the precalculus review material consider first taking MAC 1147, a four credit precalculus course reviewing essential precalculus skills.

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

**Courses 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 MAC 2312.

**Required Materials**

There are no required textbooks for this course. We will make use of a free online textbook available at [Openstx 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 accessible through the Canvas site. More details will be given in class.

**E-Learning Canvas:**

E-learning canvas, a UF course management system, is located at [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 student and instructor and between students 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.

**Virtual 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 verbally 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.

## **In-Person Sections**

There are two different types of sections for this course: in-person and online. For students in the in-person sections, lecture will occur in person in LIT 225. **ONLY STUDENTS REGISTERED FOR THE IN-PERSON SECTIONS MAY ATTEND THE CLASS IN PERSON.** All students who attend in person are required to abide by all in-person guidelines instituted by the University. These include, but are not limited to, wearing face masks, abiding by social distancing guidelines, and being cleared to return to the classroom by the University. Any students registered for an in-person section who are unable to satisfy these requirements must instead attend as many online lectures as needed via Zoom until they are able to satisfy these requirements. Any students registered for an in-person section who are unwilling to satisfy these requirements may instead attend as many online lectures via Zoom as they wish throughout the semester. In particular, no student registered for an in-person section will be required to attend in-person if they do not wish to do so. In-person lectures will continue throughout the semester until such time the University requires all class meetings to be online.

Students registered for an in-person section will still attend all discussion sessions and office hours online via Zoom.

## **Online Sections**

There are two different types of sections for this course: in-person and online. For students in the online sections, all class meetings and office hours with your instructor or TA will be facilitated through the use of Zoom. Zoom is a meeting software allowing the use of microphones, cameras, mobile devices, and other technology to plan and take part in meetings and classes. You do not need to create a Zoom account in order to use the software. As a UF student you already have a UF Zoom account created for you using your Gatorlink login and password. You automatically have this account connected with your Canvas account and will not need to combine or connect this in any way. You will **NEED** to use this account to access any of the Zoom meetings in this course. If you need help with using Zoom and navigating Canvas for Zoom the UFL elearning website has helpful pdfs and videos under their Student Step-by-Step Guides at <https://elearning.ufl.edu/zoom/>.

All class meetings, discussion meetings, and office hours will be scheduled in the Zoom Conferences Tab in the Canvas course. In order to attend each class meeting and discussion meeting you will be required to register for each collection of meetings once (once for class meetings and once for discussion). You will be sent a registration link to your UF email by your instructor or TA. Make sure that you register for the class meetings and discussion meetings swiftly so there are no last minute problems.

It will be expected of you to act cordially and present yourself well if you plan to have your video on during class/discussion meetings and/or use your microphone. The expectation is that you treat each meeting as if you are in the classroom with your instructor or TA and act accordingly. Proper use of the hand raise feature and chat is expected when the instructor or TA is talking/presenting so you do not interrupt the lecture/discussion.

Students enrolled in an in-person section of the course are allowed to attend as many lectures online as they wish throughout the semester.

## **Lectures**

This course will be taught using a lecture-based approach. Both theory and application will be presented. Lectures will follow the textbook, but outside material may be used from time to time.

**Lecture Quizzes** The course is broken up into 32 lectures. After we finish a lecture in class, a short quiz on the material covered in the lecture will be assigned in Canvas. These lecture quizzes will be online regardless of whether you are registered for an in-person section or an online section. Only three attempts are allowed per lecture quiz. The online lecture quizzes are worth 5% of your final grade, and the two lowest lecture quiz grades will be dropped at the end of the semester.

**Discussion Sessions** Discussion sessions meet once a week each Thursday. ALL DISCUSSION SESSIONS WILL MEET ONLINE VIA ZOOM REGARDLESS OF WHETHER YOU ARE REGISTERED FOR AN IN-PERSON SECTION OR AN ONLINE SECTION. 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.** However, one period per week is generally not adequate to answer all questions. Be sure to take advantage of the opportunities outside of class for additional help.

Your main resource is your discussion leader. He or she 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. As mentioned above, **you should check Canvas regularly and consult with your TA if you have any questions about recorded grades. 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: TBD

Final, **Monday** April 26, 12:30 PM- 2:30 PM

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.

These exams are assembly exams and will take place in the evening, from 8:30 to 10:00pm. They will be available through Canvas using the Honorlock proctoring system. Availability of the exams and how to access them will be announced well in advance of each exam. Any questions should be directed to the course instructor.

The FINAL EXAM will take place on April 26 from 12:30 PM - 2:30PM. Make a note of this now and please inform any interested parties (e.g. your parents) who may be making plans for you around that time (such as purchasing plane tickets to fly home, etc.).

Each mid-term is worth 15% of your final grade while the final exam is worth 25% of your final grade. No mid-term grades will be dropped.

## Honorlock

We will be using the Honorlock system to proctor exams this semester. Honorlock is an online proctoring service that allows you to take your exam from the comfort of your home. You DO NOT need to create an account. Honorlock is available 24/7 and all that is needed is a computer, a working webcam, and a stable Internet connection. To get started, you will need to be using the web browser Google Chrome and will need to download the Honorlock Chrome Extension. You can download the extension at [www.honorlock.com/extension/install](http://www.honorlock.com/extension/install). Please see the Honorlock Student Guide at [Honorlock Student Guide](#) and best practices guide at [Honorlock Best Practices](#).

When you are ready to test, log into Canvas, go to your course, and click on your exam. Clicking “Launch Proctoring” will begin the Honorlock authentication process, where you will take a picture of yourself, show your ID, and complete a scan of your room. Honorlock will be recording your exam session by webcam as well as recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it’s on a secondary device. Honorlock support is available 24/7/365. If you encounter any issues, you may contact them by live chat, phone (844-243-2500), and/or email ([support@honorlock.com](mailto:support@honorlock.com)).

## Online Homework

In this course we will be using the online platform Xronos which is free of charge and will be explained during class. Online homework assignments will be assigned daily and must be completed by the specified due date. **No assignments can be submitted after the due date.** Online homework assignments are worth a total of 10% of your final grade. There will be a total of two dropped homework grades at the end of the semester.

All assignments will have posted due dates and these due dates will not be extended under any circumstance.

Personal computer issues, will NOT be a reason to offer any type of extension.

## Attendance

Attendance in class in both the lecture and discussion sections is mandatory. Students who come to class and participate are more likely to do well in the course. Attendance is worth a total of 5% of your grade and will be based upon both your attendance in lectures. The two lowest class participation scores will be dropped at the end of the semester.

Further, following university policy, you may expect a penalty (additional lost points) for attending fewer than 75% of your classes.

## Discussion Quizzes

There will be weekly quizzes during your discussion, based on the homework. 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 him or her.

There are no make-ups for missed discussion quizzes, but the lowest two discussion quiz grades will be dropped at the end of the semester.

## Make-up Policy

All make-up work must be arranged with your instructor.

- **Exam Conflicts - UF during Term Assembly Exam Policy** ([catalog.ufl.edu/ugrad/current/regulations/info/exams.aspx](http://catalog.ufl.edu/ugrad/current/regulations/info/exams.aspx)): “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 an 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 make arrangements 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 on TBA.**

- **Make-up Xronos HW:** There are no make-ups.
- **Make-up class participation points:** There are no make-ups.

## Incomplete

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 <http://www.math.ufl.edu/fac/incompletes.html>. 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

Xronos Homework: 10%

Lecture Quizzes: 5%

Discussion Quizzes: 10%

Attendance: 5%

Midterm Exam Average (3 mid-term exams): 45%

Final Exam: 25%

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

90.00-100 A	87.00-89.99 A-	84.00-86.99 B+	80.00-83.99 B
77.00-79.99 B-	74.00-76.99 C+	67.00-73.99 C	64.00-66.99 C-*
60.00-63.99 D+	57.00-59.99 D	54.00-56.99 D-	0-53.99 E

## Grading Scale

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

For those take the S-U option: 67.00-100 S 0.00-66.99 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:

[catalog.ufl.edu/ugrad/regulations/info/grades.aspx](https://catalog.ufl.edu/ugrad/regulations/info/grades.aspx)

**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. These are your only opportunities to earn extra credit this semester. No other extra credit will be offered. **EMAILS ASKING FOR EXTRA CREDIT OR TO ROUND UP YOUR GRADE AT THE END OF THE SEMESTER WILL BE IGNORED.**

### Free 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 Teaching Center Math Lab is a tutorial service staffed by training math and science students to provide help with your calculus questions and homework. They are operating online this semester and information pertaining to obtaining help and understanding the layout of this semester can be found at <https://teachingcenter.ufl.edu/>. They have drop-in tutoring which is more informal and free one-on-one tutoring available by appointment.

The Teaching Center Math Lab also provides videos of reviews and sample test problems. They regularly hold reviews for exams. The reviews will be posted at <https://teachingcenter.ufl.edu/tutoring/test-reviews/>. All students are encouraged to use the Teaching Center.

Office of Academic Support offers free one-on-one and small group tutoring sessions to UF students. See <https://oas.aa.ufl.edu/current-students/tutoring/> for details and links to each tutor's pages.

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 [www.math.ufl.edu](http://www.math.ufl.edu) under Academics → Mathematics Tutors.

The Counseling Center has compiled a large collection of resources for outreach to student groups as well as COVID-19 resources. You can find this collection at the counseling website <https://counseling.ufl.edu/> under Resources → Other Resources → COVID-19 Resource Guide.

Aid-A-Gator under the Office for Student Financial Affairs has resources available to help those students who need funding for unanticipated travel, additional technology requirements, or other needs that are related. More information can be found at <https://www.sfa.ufl.edu/aidagator/>.

UF gives all students free access to the Eduroam system. Other internet connectivity options are available as well. If you are not on campus and have issues with internet connectivity and/or do not have regular access, please see the Aid-A-Gator website as well as the document outlining some possibly connectivity solutions at <https://elearning.ufl.edu/media/elearningufedu/keep-teaching/Connectivity-Options.pdf>.

**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** Use (defined as having one physically in your hand) of a cell phone during a test or quiz will be considered contact with another person and will be viewed as a form of academic dishonesty because we cannot be assured in such a circumstance that you have not taken a picture of the test/quiz or sent a text message to someone. Thus, do not touch your cell phone during a test or quiz. **Wait until after you are finished with the test/quiz to use it.**

**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), [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/). 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 [www.dso.ufl.edu/sccr/](http://www.dso.ufl.edu/sccr/).

In addition, we remind you that lectures given in this class are the property of the University/faculty member and may not be taped without prior permission from the instructor and may not be used for any commercial purpose. Students found to be in violation may be subject to discipline under the Student Conduct Code.



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## **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/>. 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.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

### **Important Fall 2020 Academic Dates and Deadlines**

Classes Begin	Monday, January 11
Late Registration	Monday, January 11 - Friday, January 15 (11:59pm)
Drop/Add (last day for full refund)	Friday, January 15 (11:59pm)
<b>Withdrawal with 25% Refund</b>	Friday, February 5
<b>Withdrawal Deadline</b>	Friday, April 9 at 11:59pm
Classes End	Wednesday, April 21

### **Holidays**

Martin Luther King, Jr. Day Monday, January 18

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