

MAC 2311 Calculus and Analytic Geometry 1

Instructor: Austin Jacobs

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Office: Little Hall 461

Office Hours: TBD. Probably M/Th Period 5.

Time and Location:

Monday, Tuesday, Thursday, and Friday Period 4 (12:30-1:45) in Little Hall 235

1 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.

2 Course Description and Objectives

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 also satisfies the pure math portion of the state Writing/Math requirement.

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.

3 Textbook

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 only accessible through Canvas. More details will be given in class.

4 Grading

Grades will be based on the following composition:

Xronos Homework: 15%

Quizzes: 20%

Post-Lecture Problems: 5%

Exams: 60%

Homework: Homework will be in Xronos and accessed through Canvas. You should expect about one per week.

Quizzes: Quizzes will be the final 15 minutes of class for any week that does not have an exam. The topics will always be the material covered the preceeding week.

Post-Lecture Quizzes: Attendance in class both in 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 and will be calculated based upon completion of post-lecture quizzes. It will be a total of 5% of your grade.

Exams: Exams will be in-class as well and the tentative dates of each can be found in the course schedule and any changes will be announced at least one week notice, both as a part of the lecture and as an announcement in Canvas.

The grading scale will be:

A	90%
A-	87%
B+	84%
B	80%
B-	77%
C+	74%
C	67%
C-	64%
D+	60%
D	57%
D-	54%
E	Below 54%

5 Administrative Concerns

5.0.1 Incomplete Policy

A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found at <https://www.math.ufl.edu>. If you meet the criteria you must see the instructor before the beginning of finals week to be considered for an I. A grade of I only allows you to make up your incomplete work. You cannot redo any previously completed work.

5.1 Online Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://gatorevals.aa.ufl.edu/>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open.

5.2 Advising and Help

- For issues with technical difficulties for Canvas, please contact the UF Help Desk at:
 - Website: <https://helpdesk.ufl.edu>
 - Phone: (352) 392-HELP (4357)
 - Walk-in: HUB 132

Note: Any requests for make-ups due to technical issues **MUST** be accompanied by the ticket number received from the Help Desk when the problem was reported to them. The ticket number will document the time and date of the problem. You **MUST** e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

- For all concerns with , please talk to your TA or Instructor! Office hours will be posted and are regular times when they are available to answer questions, discuss grades, advise students on future classes, or help students in any available way. You do **not** need an appointment to visit during office hours. If you need to meet outside of office hours, please contact your TA or Instructor for an appointment.
- In addition, there are several other free resources available to you:
 - The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring. You may want to attend different hours to find the tutors with whom you feel most comfortable. Also the Little 215 Tutoring Center provides free tutoring for courses up to Calculus 1. Go to <https://www.teachingcenter.ufl.edu> to find their hours. You can also request free one-on-one tutoring.
 - A list of qualified tutors for hire is available at <https://www.math.ufl.edu>.
 - Other resources are available at <https://www.distance.ufl.edu/getting-help> for:
 - * Counseling and Wellness resources
 - * Disability resources
 - * Resources for handling student concerns and complaints
 - * Library Help Desk support

- Should you have any complaints with your experience in this course please visit <https://www.distance.ufl.edu/student-complaints> to submit a complaint.

5.3 Class Demeanor or Netiquette

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats.

5.4 Honor Code

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.

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). You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link <https://www.dso.ufl.edu/sccr/>.

5.5 Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting: <https://disability.ufl.edu/students/get-started/>. 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. If a student does not supply the appropriate documentation in a timely fashion, the instructor may not be able to accommodate the student in a timely manner.

5.6 Online Privacy

ONLINE PRIVACY: 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.

6 Changes

I largely reserve the right to make changes as necessary (E.G. Cancel a quiz) for reasons of reasonable scheduling issues, pure whimsy, or petty tyranny. Any such changes will be announced both in-class and as an announcement on Canvas.