

# MAC 2233: Survey of Calculus 1

## SPRING 2025 Online

## SYLLABUS/CALENDAR

---

### Course Instructors

Name: Dr. Alex York

Office Hours: MW 1:00-2:00PM, F 9:20-10:20AM, through Zoom

Office Hours Zoom Link: TBD

Email: [a.york@ufl.edu](mailto:a.york@ufl.edu)

Name: Fatima Akinola

Office Hours: TBD, through Zoom

Office Hours Zoom Link: TBD

Email: [akinola.fatima@ufl.edu](mailto:akinola.fatima@ufl.edu)

Course homepage is located on Canvas, <http://elearning.ufl.edu>.

**Course Description:** MAC 2233 is the first in the two semester sequence MAC 2233 and MAC 2234 surveying the important ideas of calculus but emphasizing its applications to business, economics, life and social sciences. The course covers important calculus topics such as: limits, differentiation, applications of the derivative, introduction to integration and its applications including area.

A minimum grade of C (not C-) in MAC 2233 satisfies three credits of the university General Education quantitative requirement.

**Course Materials:** There are no required materials for this course; specifically, there is no required textbook, clicker, or online homework code that you must purchase for this course.

In this course we will utilize a free online homework system known as Xronos. This work is supported by the Office of the Provost and the College of Liberal Arts and Sciences. The platform is accessible through the Canvas site via the "assignments" tab or through the provided configuration link on Canvas. More details are available on Canvas.

**Requirements:** A hardwired connection (not wireless) is strongly recommended when working and submitting assignments. It is the student's responsibility to have a reliable internet connection, adequate internet speed and a cleared cache/cookies before starting each assignment .

**Time commitment:** University students are expected to spend at least 3 hours for each hour watching lecture videos in order to keep up with the course material.

**Canvas Messages:** Check your messages **daily** so that you do not miss any important announcements.

**Content:** In this course we will utilize an in-house interactive online homework system developed by the math department at UF. This platform, called Xronos, is free of charge. The lecture videos are embedded, along with supplementary videos and interactive content spread throughout for asynchronous learning in the course. There is a single Xronos 'assignment' in Canvas for each module which is an interactive set of course notes that presents the material. It has numerous interactive features as well as examples and problems scattered throughout. Each assignment is due the day before the relevant module exam, but it may be worked on (no longer for credit after the due date) for the entire semester, in the event a student wants to do work for review in preparation of taking an exam or the final. I recommend you do not try to complete the entire assignment at the end of the module. First, there is simply too much to do all at once, and second it is intended as one of the primary sources of learning for the exams and content. Your best bet is to be diligent and do them throughout the semester along the provided timeline located within each module to maximize learning and retention of the material.

There are some notes to keep in mind about how Xronos works:

- Canvas may (and almost certainly will, often) tell you that a grade has been submitted for the "Xronos assignment" when you first work on it (possibly whenever you work on it, depending on your Canvas settings). Rest assured that canvas really means that a grade update has been submitted, not a final grade. You can continue working on Xronos and accumulating points, right up until the Xronos assignment is due; there is no "final submission" of a grade prior to that, regardless of what canvas might try to tell you.
- In most of the tiles of the interactive texts are lecture videos. Completing watching these counts toward credit for completion for the tile, so you must watch the videos in order to get full credit for the tile (and thus the Xronos assignment).
- Throughout the text there are problems embedded in the text to monitor learning and give examples. These are counted as part of the grade, and you are required to complete these to get credit for the assignment. These are often static problems, ie each student will have the same problems with no randomization. You are free to work together on these problems, but keep in mind they are intended as practice, and as such **you are responsible for knowing the material covered in the homework.**

- There are special thin tiles that are practice tiles. These typically (but not always) include a video showing how to work through problems of this type. This video needs to be completed for full credit but you can skip to the end of the video to count it “completed” if you don’t wish to watch the entire video. These practice tiles are almost always procedurally generated problems that allow you to “try another” via the green button in the top right corner. This will generate another problem for you to try, allowing for nearly unlimited practice problems. Note that you need to make sure you have 100% completion of the tile before hitting the “try another” button to ensure you get full credit for the assignment, more on this can be found in the orientation video on Xronos.

**Xronos Assignments:** Doing each of the assigned Xronos sections and watching the embedded lecture videos is essential to success in this course and is one of the best ways to prepare for quizzes and tests. Each assignment has **unlimited attempts**.

**Quizzes:** Quizzes will be administered inside canvas. These will be twenty-five minute assessments to keep you up to date on the content as we progress through the course. There are thirteen quizzes offered, but we will count the top ten grades (meaning you get to drop three quizzes). Keep in mind, with the way the course is structured, assessments will get progressively harder as we go through the semester. This means if you skip a quiz early on and decide it will be a “drop” quiz, that you will be trading a much easier quiz for a much harder one later on.

Also keep in mind that quizzes are “due” right before the relevant exam, but there is a recommended timeframe to complete them up as we progress through the semester. Since the recommended timeframe would normally be when quizzes are due, and all the quizzes are due later, you are effectively getting free “extensions” on all the quizzes automatically. For this reason no extensions will be granted to complete quizzes or makeup missed quizzes.

**Exams:** Exams in this course will be proctored using a proctoring service called Honorlock. Information on how to sign up for Honorlock will be posted to canvas.

There are four exams during the semester, with a final at the end (for a total of five tests). The time and content for each exam are as follows:

Exam	Date	Content
Exam 1		Limits
Exam 2		Theory of Derivatives
Exam 3		Applications of Derivative
Exam 4		Integration
Final	April 26	Cumulative: All Content

**Final Exam:** There will be a final exam on April 26th. Your final will be cumulative, thus any content covered this semester is “fair game” for the final (including any content covered after the fourth exam). The exact format of the final will be announced as we get

closer to the date. Since the final is cumulative, I will replace your lowest exam score with half the points you

earn on the final (only if it helps. Notice that the final is worth twice the points of a standard exam, thus half the points on the Final will be equivalent to the number of points on a single exam). This will be done automatically, You do not need to request this.

**Grades:** The following table lists the assignment types and their point value(s):

Assignment	Points	Total Points
Xronos	50	50
Quizzes (10 of 13)	10	100
Exams (4 total)	50	200
Final	100	100
<b>Total Points</b>		450

Grade	Point Range	Grade	Point Range
A	405-450	C	315-329
A-	390-404	C-	300-314
B+	375-389	D+	285-299
B	360-374	D	270-284
B-	345-359	D-	255-269
C+	330-344	E	0-254

If you have a grade dispute, you have **one week** to resolve it with your instructor after the assignment deadline.

**Accommodations for students with learning 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/get-started/>

**Academic Honesty:** The course will be conducted in accord with the University honor code and academic honesty policy which can be found at <https://policy.ufl.edu/regulation/4-040/>. 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.

In addition, we remind you that lectures and the lecture notes given in this class are the property of the University/faculty member and may not be taped/shared without prior permission from the lecturer 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.

**Makeup Policies:** If you miss an exam with valid documentation, you may take a makeup. Valid documentation includes documented illness, school sponsored activity, death in the immediate family, court-ordered or military appointments, and religious holidays. Scheduled flights do not count as valid documentation so do not make plans for a flight which conflicts with exam dates and times. If you miss a second exam, the comprehensive fourth exam will replace it. Exam makeups will be scheduled after discussion with the course coordinator.

If you have a conflict with another assembly exam in a course that has a higher course number, please notify the coordinator within the first two weeks of the semester to qualify for a makeup.

If illness or other extenuating circumstances cause you to miss an exam, contact the course coordinator immediately (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 the course coordinator.

To be eligible for a make-up you must have completed at least 75% of the course work that has been given so far.

**Evaluations:** Course evaluations are now at <https://gatorevals.aa.ufl.edu/>

**Privacy:** Any class sessions, including office hours, 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.

**Diversity:** 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.

**Campus Resources:**

**Health and Wellness U Matter, We Care:** If you or someone you know is in distress, please contact [umatter@ufl.edu](mailto: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.

**GatorWell Health Promotion Services:** For prevention services focused on optimal wellbeing, including

Wellness Coaching for Academic Success, visit the GatorWell website or call 352-273-4450.

**Academic Resources E-learning technical support:** Contact the UF Computing Help Desk at 352-392-4357

or via e-mail at helpdesk@ufl.edu.

**Career Connections Center:** Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.

**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.

**General study skills and tutoring.** Writing Studio: 2215 Turlington Hall, 352-846-1138.

Help brainstorming,

formatting, and writing papers.

**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.

### Tentative Course Progression and Due dates (subject to possible revision)

Week	Recommended Assignments and Progression	Assignments/Exams	Due Date
<b>Module 1: Precalculus Review and Needs Assessment</b>			
1	Orientation Module, Module 1	Orientation Quiz, Needs Assessment	Friday Jan 17th
<b>Module 2: Limits</b>			
2	Xronos Module 2; Sections 1 & 2	Quiz 1	N/A
3	Xronos Module 2; Sections 3 & 4	Quiz 2	N/A
4	Xronos Module 2; Sections 5 & 6	Quiz 3, Quizzes 1-3 & Exam 1 Due	Friday Feb 7th
<b>Module 3: Theory of Derivatives</b>			
5	Xronos Module 3: Sections 1 & 2	Quiz 4	N/A
6	Xronos Module 3: Sections 3.1-3.5	Quiz 5	N/A
7	Xronos Module 3: Sections 3.6-3.12	Quiz 6	N/A
8	Xronos Module 3: Sections 4 & 5	Quiz 7, Quizzes 4-7 & Exam 2 Due	Friday Mar 7th
<b>Module 4: Application of Derivatives</b>			
9	Xronos Module 4: Section 1	Quiz 8	N/A
10	<b>Spring Break: No Classes</b>		Mar 17th-21st
11	Xronos Module 4: Sections 2 & 3.1	Quiz 9	N/A

12	Xronos Module 4: Sections 3.3-3.9	Quiz 10, Quizzes 8-10 & Exam 3 Due	Friday Apr 4th
<b>Module 5: Introduction to Integration</b>			
13	Xronos Module 5: Section 1	Quiz 11	N/A
14	Xronos Module 5: Sections 2 & 3	Quiz 12	N/A
15	Xronos Module 5: Sections 4, 5 & 6	Quiz 13, Quizzes 11-13 & Exam 4 Due	Wed Apr 23
16	<b>Final Exam</b>		Sat Apr 26

**This syllabus is subject to change. You will be notified if any changes are made.**