



FLORIDA A&M UNIVERSITY
MATHEMATICS
COLLEGE OF SCIENCE AND TECHNOLOGY

MAC 2311 | Calculus I | Fall 2023

Faculty: Dr. Anh Khoa VO

Email: anhkhoa.vo@famu.edu

Office: Jackson Davis Hall - Room 202

Office Hours: Appointment via email

*My preferred method of contact is by **email**. I will respond to all emailed questions within 48 hours Monday-Friday. I do not respond to emails over the weekend, but some exceptions will be considered.*

Course Description:

Limits; continuity; **differentiation techniques**; **introduction to integration**; curve sketching; **areas between curves**; theory augmented by applications from a variety of disciplines. (4 credits)

Prerequisite(s): **MAC 1147** (Pre-Calculus) or **MAC 1114** (Algebraic/Trigonometric Functions).

Meeting Times:

In person (UNIVERSITY COMMONS 108), MWTF 1:25PM - 2:15PM

Date Range: Aug 28, 2023 - Dec 08, 2023 (last day of this class)

Holiday(s): Labor Day (Sep 4), Veteran's Day (Nov 10), Thanksgiving (Nov 22 - 24).

Required Materials:

Textbook: Calculus Early Transcendental Functions 7th ed with web access to CANVAS.

Author(s): Ron Larson, Bruce Edwards

Course Policies:

Your learning is my primary concern. As the semester progresses, I may find that adjustments to the following policies and schedule would be beneficial to your understanding of course material. If such changes are deemed necessary, I will notify you via email from CANVAS.

Attendance: Class attendance and punctuality are extremely important. Make the decision right now to attend every class, arrive on time, and stay until the end. This course covers a great deal of material and failing to attend sets you up for poor performance. Truancy is not acceptable. You are responsible for any material, discussion, or announcements made during class, whether you are present.

Homework: Commit now to spending time each day reviewing lecture notes and working on assigned problems. The assigned problems are chosen in the textbook and in my collections. They are intended to develop your computations that I expect you to have when testing.

The homework assignment will be given after every class. Homework carries certain percentages of your total grade, but it is not mandatory to complete them every week. For every time range based on the test's weeks, you will have

- Homework Set 1 (Week 1 – Week 3) – Closing date: End of Week 3
- Homework Set 2 (Week 4 – Week 7) – Closing date: End of Week 7
- Homework Set 3 (Week 8 – Week 10) – Closing date: End of Week 10
- Homework Set 4 (Week 11 – Week 13) – Closing date: End of Week 13

You should manage to complete at least two (2) week's homework in full to get a point value of every homework set. If you have three or more weeks' homework completed, the set is graded based upon the highest score. You should arrange your time to submit your completion **before 10:00 AM** of the closing date (Sun). Submission via email is the only method. It should go with your full name and date of assignment in the subject. The completion of all homework assignments is encouraging and carries a bonus of 5% of your total grade if they are all correct.

Tests: There are three (3) compulsory tests throughout the semester, and they are open to do at home. You should finish and submit them by the end of the scheduled test date.

If you know that you will miss a test, you must announce me one week before the scheduled test date. I will make another arrangement for you if the reason should be decent and legitimate. As this class relies so heavily on collaboration, there is only one chance to making up missed work for all three tests.

Test 1: Week 4

Test 2: Week 8

Test 3: Week 11

Late Work: Any late submission of homework will receive a zero. Tests submitted after the due date will receive a zero. Blank submissions for any reason will receive a zero.

Extension Request: Every student has one extension request allowed for any homework. However, requests that are one week after the deadline are not accepted for any reason.

Academic Dishonesty: Any evidence of cheating or lying will result in the total loss of 250 points from the final exam.

Final Exam: TBA

Method: In-person Test. Any electronic devices (laptop, phone, tablet, smart watch, earbuds) are not allowed. Only notes, calculators and drafts are allowed.

For the week starting	To be covered in class
Week 1 Aug 28	Class Intro; Chapter 2
Week 2 Sep 04	Chapter 3
Week 3 Sep 11	Reviews on Chapters 2, 3
Week 4 Sep 18	TEST 1; Chapter 5
Week 5 Sep 25	Chapter 5 (cont.)
Week 6 Oct 02	Chapter 5 (cont.)
Week 7 Oct 09	Reviews on Chapter 5
Week 8 Oct 16	TEST 2; Chapter 8
Week 9 Oct 23	Chapter 8 (cont.)
Week 10 Oct 30	Chapter 8 (cont.)
Week 11 Nov 06	TEST 3, Chapter 4
Week 12 Nov 13	Chapter 4 (cont.)
Week 13 Nov 20	Chapters 4 (cont.)
Week 14 Nov 27	Reviews on Chapters 2, 3, 4
Week 15 Dec 04	Reviews on Chapters 5, 8
Week 16 Dec 11	FINAL EXAMINATION

Grading Criteria:

Course Element	Point Value	Percentage
Attendance. Absences (ab) with and without leave are counted the same.	50	5% (0 ab), 3% (1 ab), 1% (2 ab), 0% (>2 ab)
Homework Set 1 (Week 1 - Week 3)	100	10%
Homework Set 2 (Week 4 - Week 7)	100	10%
Homework Set 3 (Week 8 - Week 10)	100	10%
Homework Set 4 (Week 11 - Week 13)	100	10%
Test 1 (Week 4)	100	10%
Test 2 (Week 8)	100	10%

Test 3 (Week 11)	100	10%
Final Exam (Week 16)	250	25%
Total	1000	100%
Maximum Bonus	50	5%

Grading Scale:

While the total grade is 1000 points, you can earn up to 1050 points. Therefore, grades on Canvas are not much accurate and should be for references. You will receive a summary of your accurate total grade after having Test 3 done.

A: 1000 to 900

B: <900 to 800

C: <800 to 700

D: <700 to 600

F: <600 to 0

General Policies:

Syllabus Revision: The standards and requirements set forth in this syllabus may be modified at any time by the course instructor. Notice of such changes will be by CANVAS announcement or email notice.

Classroom Conduct: I will conduct this class in an atmosphere of mutual respect. I encourage your active participation in class discussions. Each of us may have strongly differing opinions on the various topics of class discussions. The conflict of ideas is encouraged and welcome. The orderly questioning of the ideas of others, including mine, is similarly welcome. However, I will exercise my responsibility to manage the discussions so that ideas and argument can proceed in an orderly fashion. You should expect that if your conduct during class discussions seriously disrupts the atmosphere of mutual respect I expect in this class, you will not be permitted to participate further.

Feedback: Typically, feedback will be returned within one week for homework. Tests and Final Exam will not have feedback.

Course Credit Workload: This 4-credit course requires 12 hours of work a week. Class work may include but is not limited to: required readings, library research, written assignments, discussion posts, viewing of course videos, reviewing feedback from the instructor, and completing assessments.

Non-Discrimination: It is the policy of FAMU to assure that each member of the University community be permitted to work or attend classes in an environment free from any form of discrimination including race, religion, color, age, disability, sex, marital status, national origin, veteran status, and sexual harassment as prohibited by state and

federal statutes. This shall include applicants for admission to the University and employment.

Student Grievances: Students must submit Intent to Grieve Forms, online, within two weeks of grades being made available for students to view in accordance with the University Registrar's calendar. Students cannot submit an Academic Grade Grievance without submitting an Intent to Grieve Form unless they receive an exception from the Academic Dean.

Withdrawals: It is the student's responsibility to understand when they need to consider dropping a course. Refer to the FAMU Course Schedule for dates and deadlines for registration. After this period, a serious and compelling reason is required to drop from the course. Serious and compelling reasons includes: (1) documented and significant change in work hours, leaving student unable to attend class, or (2) documented and severe physical/mental illness/injury to the student or student's family.

Last day to withdraw: See <http://www.famu.edu/index.cfm?Registrar&Calendars>.

Incompletes: The "I" grade is given at the instructor's discretion and then only to students who are PASSING* and who are prevented from completing the course by UNAVOIDABLE circumstances not of their own doing. Students who have missed more than one test are not eligible for an "I" grade.

*Passing means: Getting at least a C on each test, online work, and class quizzes. It should also be accompanied with almost a perfect attendance. Check your printout for course & sections number. If you are not attending the section for which you are officially enrolled, the instructor of the section for which you are officially enrolled will assign you an "F" grade on the final grade roll and that will be your FINAL GRADE.

Student Support:

Disability Support Services: To comply with the provisions of the Americans with Disabilities Act (ADA), please advise instructor of accommodations required to insure participation in this course. Documentation of disability is required and should be submitted to the Learning Development and Evaluation Center (LDEC). For additional information please contact the LDEC at (850) 599-3180.

Technical Assistance: If you need technical assistance at any time during the course or to report a problem with CANVAS you can contact the Office of Instructional Technology at (850) 599-3460 or oit@famu.edu.