

MAC2311 – CALCULUS & ANALYTIC GEOMETRY I

COURSE SYLLABUS

MWF, 2:30P – 3:50P / Room 8210

Fall 2017

Instructor Name: Toribio J Matamoros

Office Location: Suite 1532

Office Hours:

- Mondays: 4:00P – 5:30P, 7:05P – 8:10P
- Tuesdays: 2:55P – 3:20P, 4:55P – 5:40P
- Wednesdays: 4:00P – 5:30P, 7:05P – 8:10P
- Thursdays: 2:55P – 3:20P, 4:55P – 5:40P
- Fridays: 4:00P – 7:50P

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COURSE DESCRIPTION

- Introduction to Analytic Geometry
- Limits
- Continuity
- Differentiation of Algebraic and Trigonometric Functions
- Differentials
- Introduction to Integration and the Fundamental Theorem of Calculus
- Applications of Definite Integrals and Derivatives

Prerequisite: MAC 1114 and MAC 1140, or MAC 1147, with a grade of "C" or better

COURSE MATERIALS

- Textbook: THOMAS' CALCULUS: EARLY TRANSCENDENTALS, 14th Edition, by Thomas Jr., Weir, Hass, and Heil

GRADING POLICY

Your course grade will be based on 4 test grades (each worth 100 points), which will be averaged at the end of the term. There will be no cumulative final exam.

Please be advised that there are NO MAKE-UP TESTS, except in cases of extreme (and documented) emergency (such as a serious medical condition, required hospitalization, death within the immediate family, etc.). No make-up tests will be given for reasons such as oversleeping, arriving late to class, transportation problems, schedule conflicts, etc. **All make-up tests will be given on Friday, December 15, 2017.**

If you feel you have a valid reason for missing a test, you must notify me as soon as possible. Failure to do so will eliminate any possibility of a make-up test. Any test that is not taken will be given a grade of zero (0).

GRADING SCALE

If G represents your final grade for this course, then the following applies:

- A: $90 \leq G \leq 100$
- B: $80 \leq G < 90$
- C: $70 \leq G < 80$
- D: $60 \leq G < 70$
- F: $0 \leq G < 60$

ATTENDANCE POLICY

- You are expected to attend all class sessions
- Attendance will be recorded at the beginning of every class session
- If you are not present when your name is called, then you will be marked absent

If you arrive after roll is called, it is your responsibility to notify me of your presence at the end of class. This notification must be given during the class meeting in question, or else the record will show you absent for said meeting. I will not alter the attendance record after the fact. Also:

- If you attend less than 50% of a particular class lecture, you may be considered absent the day of said lecture

- **If you are marked absent in my attendance record more than four times, you will be dropped from the course**

CELL PHONE POLICY

I expect you to turn off your cell phone and put it away before class begins. Please note that “off” means OFF – not “vibrate” mode. In addition:

- You may not use your cell phone as a calculator
- You may not have your cell phone on your desk, in your hand, or on your lap while class is in session

Your cell phone should be completely invisible and inaudible to you and to me at all times. This policy extends to other electronic devices, such as iPods, iPads, laptop computers, tablets, and the like. **There should be no source of stimulus, input, or information available to you during class other than a hard copy of your textbook and the content of my lecture.** Violators of this policy may be asked to leave the room and not to return until the next class meeting.

CALCULATOR POLICY

You will be allowed to have a scientific calculator for use on exams. However, **GRAPHING CALCULATORS ARE NOT ALLOWED ON EXAMS.**

If I see a graphing calculator on your desk or anywhere else within your reach during an exam, it will be my right to confiscate your exam paper and assign it a zero grade. You are also prohibited from using any calculator that performs calculus operations (differentiation and integration).

EXAM POLICY

Arrive on time for exams or risk missing them. Once an exam has begun, students may not leave until the exam is completed and turned in. You will not be allowed to take an exam if other students have completed it and left the classroom before you arrive. If you arrive after the exam has begun, you may not ask other students for any work supplies.

STUDENTS WITH DISABILITIES

I am happy to make accommodations for students with documented disabilities. Please contact the ACCESS Department if this applies to you. For more information, [click here](#).

INSTRUCTOR EXPECTATIONS

We each have roles that will facilitate your understanding of the course material. My role is to aid you by elaborating on mathematical concepts and principles presented in the course textbook, introducing relevant “real world” examples, and being available to answer specific questions.

Your role as a student is to come to class **prepared**. You are required to have read the assigned section(s) before each lecture and to be ready to participate in class discussions. The content of this course will probably require you to re-read certain sections in order to grasp the concepts covered.

Students are encouraged to take notes and ask questions. I will attempt to answer all questions during class, except when it is apparent that the student has not read the material. I am also available during office hours to answer any questions you may have.

If you miss a class lecture on a particular day for any reason, you are responsible for acquiring any/all course material discussed in class for that day.

CLASSROOM ETIQUETTE

You are expected to arrive to class on time, be attentive during lectures, participate in class discussions, and be respectful to your instructor and fellow classmates. Disruptive side conversations among students, eating, and sleeping are not acceptable behavior in the classroom. The instructor may ask you to leave the classroom for the day if you are caught performing these activities.

ACADEMIC DISHONESTY

Honest and ethical students are protected in this class. [Miami Dade College's Students' Rights and Responsibilities Handbook](#) reminds students of their obligation to behave honestly and ethically. It is your responsibility to familiarize yourself with said handbook.

Please be extremely careful to not engage in any behavior that could even be construed as academically dishonest. Outside of class, students are allowed to study together. However, during an exam, talking to another student, looking at another student's exam paper, using another student's calculator (if applicable), using cheat notes, etc. are strictly prohibited.

I will vigorously pursue any suspected cases of academic dishonesty, whether completed or merely attempted. Even a first offense of academic dishonesty on any homework assignment or exam will result in a grade of zero on said assignment / assessment. Furthermore, a formal communication reporting the incident will be filed with the Mathematics Department Chairperson and / or Dean of Academic Affairs.

COURSE ASSISTANCE

Math tutors in Room 2223 (The Mathematics Learning Center) and Room 2214 (The STEM Lab) are available to assist you with any homework questions you may have. Although you don't need to make an appointment to get assistance from tutors, keep in mind that they cannot work with one student for a prolonged period of time (as they must help all students and might have to take turns among them).

WITHDRAWAL INFORMATION

- Last day to withdraw from classes with a 100% refund – **Friday, September 1, 2017**
- Last day to withdraw with a grade of W – **Tuesday, November 7, 2017**

MIAMI DADE COLLEGE'S LEARNING OUTCOMES

As graduates of Miami Dade College, students will be able to:

1. Communicate effectively using listening, speaking, reading, and writing skills
2. Use quantitative analytical skills to evaluate and process numerical data
3. Solve problems using critical and creative thinking and scientific reasoning
4. Formulate strategies to locate, evaluate, and apply information

5. Demonstrate knowledge of diverse cultures, including global and historical perspectives
6. Create strategies that can be used to fulfill personal, civic, and social responsibilities
7. Demonstrate knowledge of ethical thinking and its application to issues in society
8. Use computer and emerging technologies effectively
9. Demonstrate an appreciation for aesthetics and creative activities
10. Describe how natural systems function and recognize the impact of humans on the environment