

Math 261 – Unified Calculus & Analytic Geometry I
Syllabus – Section 6 & Section 7

Hours and location: Section 6 – 12:00 a.m.-12:50 a.m. MWF in Hume Hall 113

Hours and location: Section 7 – 1:00 a.m.-1:50 a.m. MWF in Hume Hall 111

Instructor: Micah B. Milinovich

Office address: Hume Hall 339

Office hours: MW 3 p.m. – 5 p.m. or by appointment

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Text for the course: *Thomas' Calculus, 11th Edition* Volume 1 - Custom edition for the University of Mississippi. Also, you will need *Mathematica* (do NOT purchase) – available on the computers in the Weir Hall Computer Lab or install on your computer using the university site license; installation instructions are available on-line at <http://www.mcsr.olemiss.edu/appsubpage.php?pagename=mathematica.inc>.

Prerequisite for the course: At a least a C in College Algebra or an ACT score of at least 26.

Course Goals: This course covers differentiation and its applications. The content includes, but is not limited to, limits and rates of change, continuity, derivatives, rules of differentiation, higher derivatives, implicit differentiation, and applications of differentiation. Our goals are to enable students to understand the concepts and rules of differentiation, learn different techniques for finding derivatives, and develop problem solving skills. We expect students to apply concepts and theories learned in class to solve application problems that include optimization and curve sketching. Math 261 will prepare students for higher level calculus/other courses and enhance critical thinking and analytical reasoning abilities.

	CHAPTER	SECTIONS	TOPICS
Syllabus:	Chapter 1	1.2	Equation of a Line
	Chapter 2	2.1-2.7	Limits and Continuity
	Chapter 3	3.1-3.8	Differentiation
	Chapter 4	4.1-4.8	Applications of Derivatives

Calculator policy: An inexpensive scientific calculator is sufficient in Math 261 but is not necessary. Calculators will NOT be allowed during exams and quizzes. While I cannot stop you from using a calculator on homework assignments, I encourage you to do the homework without a calculator.

In-Class Exams: There will be four in-class exams. The tentative dates for those exams are Wednesday, September 17th, Friday October 10th, Friday, October 31st, and Friday, November 21st.

Final Exam Dates: The final exam will be comprehensive. The exam times are as follows:
Section 6 (noon section), Monday, December 8th from noon – 2:50 p.m.
Section 7 (1:00 section), Thursday, December 11th from noon – 2:50 p.m.

Homework policies: There will be regular homework assignments. Their content, in addition to the material covered during lectures, is the basis for the tests and quizzes. A more detailed hand-out concerning the policies for homework, quizzes, and Mathematica worksheets as well as a tentative daily schedule for the course will be posted on Blackboard and handed out in class at a later date.

Grading policies: The four in class exams are worth 100 pts. each and the final exam is worth 200 pts. **NO MAKE-UP EXAMS WILL BE GIVEN**, but your lowest test score will be replaced by the final exam percentage. In addition, there will be in class quizzes, homework, and Mathematica worksheets worth 200 pts. in total.

	value	total value
In class Exams	4×100 pts.	400 pts.
Final Exam	200 pts.	200 pts.
Homework/Quizzes/ Mathematica Worksheets	200 pts.	200 pts.
	Total points	800 pts.

Total points necessary for a grade: The following is the minimum number of points necessary to guarantee a particular letter grade. Between 720 – 800 is an A, between 640 – 719 is a B, between 560 – 639 is a C, and between 480 – 559 is a D. Below 480 is an F. I reserve the right to make the grading scale easier.

Attendance Policy: Students are allowed five (5) absences during the semester. After that, ten (10) points are deducted from the final point total for each absence above the limit.

Academic Honesty: Cheating on any exam, quiz, homework, work to be completed in class; theft, or attempted theft of exam questions; or possession of exam questions prior to the time for examination; shall all be offenses subject to appropriate penalties. The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the university

Special Notes:

- (1) A grade of C or better is needed to enroll in Math 262
- (2) Last day to register for classes is Monday, September 8th (Need instructor's approval to register from Sept. 2nd – Sept. 8th)
- (3) Withdrawal deadline for the fall semester is Monday, October 6th

Academic Needs: It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then work with the student so that reasonable accommodation of any disability can be made.

Very Important:

- (1) If a test is missed for any reason, a grade of 0 will be give. There will be no make up tests given for any reason other than official university functions. Any student who must miss an exam because of an official university function may reschedule the test before the test is originally scheduled. This is the only rescheduling allowed.
- (2) Late homework will be punished.
- (3) An "I" grade will not be given without the permission of the Department of Mathematics.
- (4) Students must show all work in order to receive credit.
- (5) A student who wishes to discuss the grading policy, testing policy, or wishes to have a conversation regarding the instructor of the course should make an appointment with the course supervisor in the Department of Mathematics.
- (6) Any student having three or more final exams scheduled for the same day may arrange with the instructor to take either the 12:00 noon or 7:30 pm exam at another time. This the only reason that a final exam may be rescheduled. The student is required to take the final exam at the time scheduled.
- (7) Each student is responsible for all work missed due to absences.

Special Dates:

Labor Day: Monday, September 1st – No class on this date

University Holiday (Presidential Debate): Friday, September 26th – No class on this date

Fall/Thanksgiving Break: Monday, November 24th through Friday, November 28th – No classes this week

Classes End: Friday, December 5th – Classes will be held on this day

Final Exams: Monday, December 8th through Friday, December 12th