

Calculus I Syllabus Fall 2007

Course: MA 1713-04

Time: TR 8:00-9:15 am

Place: Allen 22

Final Exam: Thursday, Dec.6, 3-6 pm

Instructor: Jerome Goddard II

Office: Allen 443

Phone: 662-325.7173

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Office Hours: TR 9:30 – 11:15

Others by Appointment

Important Dates: August 24 (Last day to drop without a grade)
October 3 (Last day to drop a course with a “W” grade)
November 13 (Last day to totally withdraw from MSU)

Text: Calculus James Stewart 6e

Calculators: Calculators will be used in this course in class, but will not be allowed on tests except for announced parts of certain tests.

Free tutoring without an appointment in the Learning Center: Tutors are available in the Learning Center, located in 266 Allen. The hours are normally 2:00-7:00 p.m., Monday – Thursday, beginning the second week of the semester.

Attendance: Attendance will be taken by each student signing a roll sheet. If a student fails to sign the roll sheet, he/she will have an absence for that class. Absences will be reported weekly by the new Banner campus reporting system.

Academic Misconduct: Mississippi State University has an approved Honor Code that applies to all students. The code is as follows:

“As a Mississippi State University student I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do.”

Upon accepting admission to Mississippi State University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor Code. Students will be required to state their commitment on examinations, research appears, and other academic work. Ignorance of the rules does not exclude any member of the MSU community from the requirements or the processes of the Honor Code. Except for minor violations, the normal sanction imposed for a first-time violation of the Honor Code will be an XF grade in the course, probation, and a requirement to complete an Academic Integrity Intervention Program.

For additional information please visit:<http://www.msstate.edu/dept/audit/1207A.html>

Electronic devices: Except for calculators, all electronic devices should be turned off before entering class and put away. Using these devices during class is unacceptable including text messaging.

Assignments: Assignments from the textbook will be made. These assignments are to be worked before the next class meeting. Any issues for these problems will be discussed in class. They will not be taken up nor graded. Online assignments using “WebAssign” will also be made on each section. These problems, which will be graded, will closely follow the textbook assignments and/or the board examples worked by the instructor.

Grades: Four in class tests (100 points each for 400 points)
Online assignments (100 points)
In class quizzes (100 points)
Final exam (200 points)

No makeup tests will be allowed. The final exam calculated on a 100 point scale will replace any one test missed.

Grading scale:

A	90-100
B	80-89
C	70-79
D	60-69
F	below 60

Material Covered:

Sec 1.1	Sec 3.7
Sec 1.3	Sec 3.8
Appendix D	Sec 3.9
Quiz 1	Quiz 3
Sec 2.2	Sec 4.1
Sec 2.3	Sec 4.2
Sec 2.4	Test 3
Sec 2.5	Sec 4.3
Test 1	Sec 4.4
Sec 3.1	Sec 4.5
Sec 3.2	Sec 4.7
Sec 3.3	Sec 4.8
Sec 3.4	Sec 4.9
Quiz 2	Quiz 4
Sec 3.5	Test 4
Sec 3.6	Final Exam
Test 2	

MA 1713 Fall 2007 Tentative Course Outline

Week	Date	Section	
1	8/20	Syllabus/ WebAssign	
	8/22	Sec 1.1	Four Ways to Represent a Function
	8/24	Sec 1.3	New Functions from Old Functions
2	8/27	Appendix D	Trigonometry
	8/29	Quiz /Sec 2.2	The Limit of a Function
	8/31	Sec 2.3	Calculating Limits Using the Limit Laws
3	9/3	Holiday	
	9/5	Sec 2.4	The Precise Definition of a Limit
	9/7	Sec 2.5	Continuity
4	9/10	Review	
	9/12	Test 1	Material covered through Sec 2.5
	9/14	Sec 3.1	Derivatives and Rates of Change
5	9/17	Sec 3.2	The Derivative as a Function
	9/19	Sec 3.3	Differentiation Formulas
	9/21	Sec 3.4	Derivatives of Trigonometric Functions
6	9/24	Sec 3.5	The Chain Rule
	9/26	Quiz / review	
	9/28	Test 2	Material Covered through Sec 3.5
7	10/1	Fall Break	
	10/3	Sec 3.6	Implicit Differentiation
	10/5	Sec 3.7	Rates of Change in the Natural and Social Sciences
8	10/8	Sec 3.8	Related Rates
	10/10	Sec 3.8 cont	
	10/12	Sec 3.9	Linear Approximations
9	10/15	Sec 4.1	Maximum and Minimum Values
	10/17	Sec 4.2	The Mean Value Theorem
	10/19	Review	
10	10/22	Test 3	Material Covered through Sec 4.2
	10/24	Sec 4.3	How Derivatives Affect the Shape of a Graph
	10/26	Sec 4.4	Limits at Infinity
11	10/29	Sec 4.4 cont	
	10/31	Sec 4.5	Summary of Curve Sketching
	11/2	Sec 4.5 cont	
12	11/5	Sec 4.7	Optimization Problems
	11/7	Sec 4.7 cont	
	11/9	Sec 4.8	Newton's Method
13	11/12	Sec 4.8 cont	
	11/14	Sec 4.9	Antiderivatives
	11/16	Sec 4.9 cont	
14	11/19	Quiz	Curve Sketching/ Derivatives/Antiderivatives
	11/21	Holiday	
	11/23	Holiday	
15	11/26	Review	
	11/28	Test 4	
	11/30	Review	
16	12/3	Address questions	
	12/10	Final Exam	Monday, December 10, 3-6 pm