

SYLLABUS FOR MATH 1910 SECTION 006

CALCULUS 1—MWR 5:30-6:45

Fall 2015

Instructor: Scotty Houston **Email:** sghoustn at Memphis dot edu

Office hours: Immediately before class

Course Materials: Textbook, Calculus: Early Transcendentals Volume I, by James Stewart; Graphing Calculator, Webassign Student Access Code

Note: **The TI - 89 or higher is not allowed nor is any calculator capable of algebraic manipulation. Also, cellphone and laptop calculators are unacceptable for testing.**

Course Content: Major topics include finding limits of functions numerically, graphically, and algebraically, continuity of functions, finding derivatives using the difference quotient, power rule, sum and difference rules, product and quotient rules, and the chain rule, using derivatives to draw detailed graphs of functions and solve applications from business and science, exponential and logarithmic functions and their derivatives, graphs, and use in applications, antidifferentiation, finding both the definite and indefinite integrals, and using integrals to solve applications.

Course Objectives: To expand students' problem solving skills with techniques from calculus. To develop students' proficiency for solving problems motivated by economics, biology, physics, and other sciences.

Methods: This course will be taught with the online component delivered through Webassign. The access code for **webassign.net** is either bought with your text or as a stand-alone product if you have a used textbook.

The course key is: **memphis75852032**

Policies: Attendance is required, and be on time. Attendance will be taken each class period and is a part of the final grade. You are allowed **3** absences throughout the semester. After that, points will be deducted from the attendance grade. Students will work for the entire class period on the material assigned for that day, and each class meeting is reserved for working on mathematics. **No Make-Ups** for missed assignments or tests. Your **ONE** lowest test (of the four chapter tests) will be dropped. There is no provision for missing more than one test. I require you to show a University of Memphis student ID to take the tests. The final exam is comprehensive and mandatory, and it must be taken at the specified time.

Homework: All assignments should be completed as listed in the outline below. Assignments must be completed before the expiration date, and you must click the **Submit** button in order for it to count.

Grading: Total points will be accumulated in the following categories:

Homework: 20%

Tests 1, 2, 3, 4 (lowest one is dropped): 45%

Final Exam: 25%

Attendance: 10%

A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	59 and below

The plus/minus system will be used at my discretion.

SOME GROUND RULES:

1. Be respectful of the instructor and other students. Do not try to talk over me or somebody else.
2. Please turn off all cell phones. If your cell phone rings, please turn it off, or go to the hallway if it an emergency.
3. No food is allowed in the classrooms; however, drinks with a top are fine.
4. No cell phone calculators or laptop calculators are allowed. Sharing of calculators during exams is not allowed.
5. A valid student ID is required. It will be needed on exam days.

ACADEMIC DISHONESTY: Cheating of any fashion will not be tolerated in this course. Any student caught cheating will receive a zero for that assignment, and any other actions deemed necessary by the department or university will be taken. It is the responsibility of the student to read the statement on academic dishonesty in the U of M Handbook.

Email Requirements: From time to time, I will email the class about certain changes in the schedule, no class, etc. Therefore, you are required to check your UofM email account regularly. You can have this forwarded to any other account of your choosing. Check with me or UofM Tech Support for guidance.

Course schedule: Any deviations will be announced in class.

All assignments are due at 11:59PM on the due date unless otherwise noted.

August	24	M	Chapter 1--Review	
	26	W	Chapter 1--Review	
	27	R	Chapter 1--Review	
	31	M	2.1	Review and HW1 Due
September	2	W	2.1-2.2	
	3	R	2.2	
	7	M	No Class—Labor Day	
	9	W	2.3-2.4	HW 2 Due
	10	R	2.4-2.5	
	14	M	2.6	HW 3 Due
	16	W	2.7	
	17	R	2.8	
	21	M	Test 1	HW 4 and Test 1 Rev Due
	23	W	3.1	
	24	R	3.2	
	28	M	3.3	
	30	W	3.4	
October	1	R	3.5	
	5	M	3.6-3.7	HW 5 Due
	7	W	3.7-3.8	
	8	R	3.8-3.9	
	12	M	No Class—Fall Break	
	14	W	Test 2	HW 6 and Test 2 Rev Due
	15	R	3.10-3.11	
	19	M	4.1	HW 7 Due
	21	W	4.1-4.2	
	22	R	4.2	
	26	M	4.3	HW 8 Due
	28	W	4.3-4.4	
	29	R	4.4	
November	2	M	4.5	HW 9 Due
	4	W	4.5-4.6	
	5	R	4.6	
	9	M	Test 3	HW 10 and Test 3 Rev Due
	11	W	4.7	
	12	R	4.8	
	16	M	5.1	HW 11 Due
	18	W	5.1-5.2	
	19	R	5.2-5.3	
	23	M	5.4-5.5	HW 12 Due
	25	W	No Class—Thanksgiving	
	26	R	No Class—Thanksgiving	

	30	M	Test 4	HW 13 and Test 4 Rev Due
December	2	W	Last Day of Classes—Review	
	9	W	Final Exam—5:30-7:30	Final Rev Due at 5:30pm

With the generous support of the Peer Power Foundation, the Department of Mathematical Sciences is able to offer free small group tutoring sessions for Calculus 1. Each team is limited to 10 students. The Success Coaches for these teams have been carefully selected and trained to help you succeed at Calculus 1 and to help you develop the skills that will help you succeed throughout college.

Sessions are 2 hours long (some are split across two days).

Signing up for a session with a Success Coach is entirely optional but if you sign up you are expected to attend and attendance will be taken.

There will be small rewards for team achievement throughout the semester.

You can see the available session times at:

<https://tinyurl.com/1910PPSCFall15>

Sign up will happen using the same URL but opens at 7 am on Wednesday, August 26.

Sign up is first come first served and we want to ensure that every section gets this information before sign up goes live.