SYLLABUS FOR MATH 1910 SECTIONS 2 & 4
CALCULUS 1
FALL 2015

Instructor: Dr. Angela Grant 678-3071 aggrant@memphis.edu
Office: Dunn 382 Tuesday & Thursday 9:30 – 11:15 or by appointment

Course Materials: Textbook, Calculus, Early Transcendentals Volume I, by James Stewart; Graphing Calculator, Webassign Student Access Code, Note: Graphing Calculators that do symbolic differentiation and integration are not allowed. Check with me if you have a question about yours.

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 in a computer lab 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. In each class you will have a short lecture, but most of the work will be done online with guidance and tutoring provided by the instructor and teaching assistants. Tests and assignments labeled CW should be solved during class time. Each Friday there will be an online quiz. If you don't make 60% or higher on the quiz you MUST complete all homework over the weekend and retest on Monday.

Policies: Attendance is required and be on time. 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 final exam may replace a missed test if you bring me a doctor's written excuse for you yourself being sick. There is no provision for missing more than one test. I require you to show a University of Memphis student ID to take the online tests. To make up any points missed on a CW you can do 3 Homework problems for each CW problem. These points will be added during each test. The most you can make up is 50% by working homework problems.

Class Work: All assignments should be completed in the lab during class time 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.

Week	Section	Assignments
Aug 24-28	Chapter 1	CW #1 CW #2 HW #1 due 8/30
Aug 31 – Sept 4	2.1, 2.2 Quiz #1	CW #3 CW #4 HW #2 due 9/6
Sept 7 - 11	2.3, 2.4, 2.5 Quiz #2	CW #5 CW #6 HW #3 due 9/13
Sept 14 - 18	2.6, 2.7, 2.8 Quiz #3	CW #7 CW #8 HW #4 due 9/20 Review #1 due 9/20
Sept 21-25	Test #1, 3.1, 3.2 Quiz #4	CW #9 HW #5 due 9/27
Sept 28 – Oct 2	3.3, 3.4, 3.5 Quiz #5	CW #10 and CW #11 HW #6 due 10/4
Oct 5 - 9	3.6, 3.7, 3.8 Quiz #6	CW #12 CW #13 HW #7 due 10/11
Oct 12 - 16	Fall Break, 3.9, 3.10 Quiz #7	Review #2 due 10/18 CW #14

		HW #8 due 10/18
Oct 19 - 23	Test #2, 3.11, 4.1	CW #15 CW #16 HW #9 due 10/25
Oct 26 - 30	4.2, 4.3 Quiz #8	CW #17 CW #18 HW #10 due 11/1
Nov 2 – 6	4.4, 4.5 Quiz #9	CW #19 CW #20 HW #11 due 11/8
Nov 9 - 13	4.6, 4.7 Quiz #10	CW #21 CW #22 HW #12 due 11/15 Review #3 due 11/15
Nov 16 - 20	Test #3, 4.8, 5.1	CW #23 CW #24 HW #13 due 4/19
Nov 23 - 25	5.2, 5.3	CW #25 HW #14 due 11/29
Nov 30 – Dec 2	5.4, 5.5 Test #4	CW #27 HW #15 due 12/1 Review #4 due 12/1

Grading: Your grade will be based on the overall average on webassign. Total points will be accumulated in the following categories: Each CW will be worth 25 points; Each HW is worth at the most half of the CW that it will replace; Each Quiz is worth 25 points; Each Review is worth 75 points; Each Test is worth 120 points, and the Final is worth 200 points. Webassign gradebook will keep up with your total points. If you fail a quiz, you must

retake it the following week after completing **all homework problems** over the weekend. You cannot go on in the course until you pass a quiz.

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

To make an A, B, or C you must have the above overall average as well as 3 or fewer absences and make at least a 60% on the comprehensive final exam. For each absence over the 3 that are allowed, I will subtract one percentage point from your overall average at the end of the semester.   I give plus and minus grades at my discretion. **NO EATING OR DRINKING IN THE COMPUTER LAB.**   Good Luck and have a great semester!