Math 261 (0208) Syllabus – Spring 2017
Los Angeles City College

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Course Details:
02/06/17 to 06/05/17
Mon – Thurs 1:45 PM to 2:55 PM; Room FH 110

Course Description: (5 Units) This is the first of a three-course sequence in calculus. Topics include limits and continuity, rates of change, derivatives, applications of differentiation, integrals, the Fundamental Theorem of Calculus, and applications of integration.

Prerequisite: Mathematics 260 with a satisfactory grade or equivalent.

Computer Fluency: A significant part of this course requires students to have fluency with computers. Some assignments may require the use of Mathematica. All the computer labs in Franklin Hall are equipped with this software. Please contact me if you have any questions.

Textbook: *Calculus* (2nd edition) by Briggs with MyMathLab

Final Exam: 2:30 PM to 4:30 PM on Monday June 5, 2017

Course Grade

90-100	A
80-90	B
70-80	C
60-70	D
0-60	F

Course Score Distribution

Tests	50%
Homework	20%
Final Exam	30%

Advice: It is my objective to make sure every student understands the material, both skills and concepts, and pass this course with a grade of 'C' or better. It is strongly recommended that you dedicate an average of 2 hours per day besides the class time. Homework is by far the most crucial category. As a matter of fact, if you can keep up and solve the problems in a timely manner then it is very likely that you will perform well in the tests and final exam.

Homework: Working through problems and exercises is the only way to master the material in this course. Reworking problems we solve in class is the best place to begin. After this, you should solve the suggested homework problems and once you master these, you should solve additional problems as needed to acquire the skills and master the concepts.

Participation: You are required to ask questions, answer questions, make comments relevant to the material, and be an active member of the classroom. Of course, each of you are important to me as individuals, however, from my vantage point, it is important that the whole class collectively does well in this class. For this reason, I must share with you the one constant that

remains in the last 10 years of teaching: my classes do well collectively when there is a positive attitude and a good chemistry during every session. I believe that good chemistry between your classmates is of paramount importance. Remember that you will do a lot of studying on your own, but in the classroom, we are a group or a team trying to solve problems together, for this reason, come to class with a positive attitude and leave all the potential negativity outside.

Student Learning Outcomes:

1. The student will graph a function using the first and second derivative test.
2. The student will setup and compute an integral to find the area of a region bounded by the graphs of two functions and two vertical lines.

Schedule of Topics

	Date	Lesson
Week 1	2/6	2.1
	2/7	2.2
	2/8	2.3
	2/9	2.4
Week 2	2/13	2.5
	2/14	**Test 1**
	2/15	2.6
	2/16	2.7
Week 3	2/20	**No Class**
	2/21	2.7
	2/22	3.1
	2/23	3.2
Week 4	2/27	3.3
	2/28	3.4
	3/1	3.5
	3/2	3.5
Week 5	3/6	3.6
	3/7	3.7
	3/8	3.7
	3/9	3.8
Week 6	3/13	3.9
	3/14	**Test 2**
	3/15	3.9
	3/16	4.1

	Date	Lesson
Week 7	3/20	4.2
	3/21	4.3
	3/22	4.3
	3/23	4.4
Week 8	3/27	4.4
	3/28	4.5
	3/29	4.6
	3/30	**No Class**
Week 9	4/3	**No Class**
	4/4	**No Class**
	4/5	**No Class**
	4/6	**No Class**
Week 10	4/10	4.8
	4/11	4.9
	4/12	4.9
	4/13	
Week 11	4/17	**Test 3**
	4/18	
	4/19	5.1
	4/20	5.1
Week 12	4/24	5.2
	4/25	**5.2**
	4/26	5.3
	4/27	5.3

	Date	Lesson
Week 13	5/1	5.4
	5/2	5.4
	5/3	6.1
	5/4	6.1
Week 14	5/8	**Test 4**
	5/9	6.2
	5/10	6.2
	5/11	6.3
Week 15	5/15	6.3
	5/16	6.4
	5/17	6.4
	5/18	6.5
Week 16	5/22	6.5
	5/23	6.6
	5/24	6.6
	5/25	6.7
Week 17	5/29	**No Class**
	5/30	6.7
	5/31	**Test 5**
	6/1	
Week 18	6/5	**Final Exam**
	6/6	**No Class**
	6/7	**No Class**
	6/8	**No Class**