

Math 263 (2947) Syllabus – Spring 2017
Los Angeles City College

Instructor: George Dekermenjian

Office Location: Franklin Hall (FH) 101 A

Office Hours: Monday and Wednesday 11:45 PM to 12:45 PM; Tuesday and Thursday 11:45 PM to 12:10 PM

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Course Details:

02/06/17 to 06/05/17

Mon – Thurs 10:35 AM to 11:45 AM; Room FH 310

Course Description: (5 Units) Students solve problems from vectors calculus, parametric equations, surfaces, partial differentiation, gradient, maxima and minima for functions of several variables, multiple integrals, surface integrals, and line integrals. Students consider physical and mechanical applications of Green's Theorem, Divergence Theorem, and Stokes' Theorem.

Prerequisite: Mathematics 262 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: 9:30 AM to 11:30 AM on Monday June 5, 2017

Course Grade	Course Score Distribution
90-100 A	Tests 50%
80-90 B	Homework 20%
70-80 C	Final Exam 30%
60-70 D	
0-60 F	

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 find the volume of a given solid.
2. The student will use Lagrange multipliers to find the extrema values of a function.

Schedule of Topics

	Date	Lesson
Week 1	2/6	12.1
	2/7	12.2
	2/8	12.3
	2/9	12.4
Week 2	2/13	12.5
	2/14	12.5
	2/15	Test 1
	2/16	12.6
Week 3	2/20	No Class
	2/21	12.7
	2/22	12.7
	2/23	12.8
Week 4	2/27	12.9
	2/28	12.9
	3/1	13.1
	3/2	13.2
Week 5	3/6	13.3
	3/7	13.4
	3/8	13.5
	3/9	13.5
Week 6	3/13	13.6
	3/14	13.7
	3/15	Test 2
	3/16	13.7

	Date	Lesson
Week 7	3/20	13.8
	3/21	13.8
	3/22	13.9
	3/23	13.9
Week 8	3/27	14.1
	3/28	14.2
	3/29	14.2
	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	14.3
	4/11	14.3
	4/12	14.4
	4/13	
Week 11	4/17	Test 3
	4/18	
	4/19	14.4
	4/20	14.5
Week 12	4/24	14.5
	4/25	14.6
	4/26	14.6
	4/27	14.7

	Date	Lesson
Week 13	5/1	14.7
	5/2	15.1
	5/3	15.1
	5/4	15.2
Week 14	5/8	15.2
	5/9	Test 4
	5/10	15.3
	5/11	15.3
Week 15	5/15	15.4
	5/16	15.4
	5/17	15.5
	5/18	15.5
Week 16	5/22	15.6
	5/23	15.6
	5/24	15.7
	5/25	15.7
Week 17	5/29	No Class
	5/30	15.8
	5/31	Test 5
	6/1	15.8
Week 18	6/5	Final Exam
	6/6	No Class
	6/7	No Class
	6/8	No Class