

Math 267 Section 0389

Calculus with Analytic Geometry I

5.0 units
Spring 2013

Class Time and Location

MW 9:30 a.m. to 12:00 noon

Location: CMS 021

Instructor Information

Wong, Kit (Debby)

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Office Hours: MW 3:00 to 4:00 p.m., T 10:00 a.m. to 1:00 p.m., Sat. 12:30 p.m. to 1:30 p.m.

Textbook and Courseware

Calculus, Early Transcendentals, by James Stewart, 7E edition.

The suggested courseware, Enhanced WebAssign, includes the e-book.

Class Key: lamission 4473 7694

Prerequisite

Successful completion of Math 266 or appropriate skill level demonstrated through the mathematics assessment process.

Course Objective

This is the last Calculus course in a three-course sequence. Topics include: vector analysis, vector functions, solid analytic geometry, partial differentiation, multiple integration, vector calculus, and an introduction to differential equations.

Use of Technology

Through the purchase of equipment and software by STEM, a blended approach of traditional and technology based methods is used in teaching this course. In addition to the video solutions provided by the courseware, I will use a PC tablet and Camtasia to record video solutions on common problems based on your requests. A combination of online and written homework and quizzes will be assigned for this course. All work must be shown in a clear and logical manner on paper whether it is an online or written assignment. When I grade your assignment, I may decrease or increase your online scores based on your written steps shown. All students can have access to Mathematica. From Wikipedia, Mathematica is a computational software program used in scientific, engineering, and mathematical fields and other areas of technical computing. I will use it for part of my lectures to enhance spatial concepts and explore modeling. A few hands-on in-class projects will be assigned with the software.

Student Learning Outcomes

1. Analyze vectors and surfaces in three dimensions geometrically and algebraically.
2. Apply the concepts of differentiation and integration of functions to solve multivariable calculus problems.

3 Attempt Limit (New Regulation)

*A new state policy in effect as of Summer 2012 limits students to **3 attempts per course**. Receiving a grade or "W" for a course counts as an attempt, **regardless of when the course was taken**.*

Withdrawal by February 18, 2013 (avoiding a "W") will not count as an attempt.

Important Dates

Last day to add full term classes	Feb. 15
Last day to drop without a "W" (in person)	Feb. 18
Last day to drop without a "W" (Internet)	Feb. 18
Last to petition for credit/no credit	Mar. 8
Last day to drop with a "W" (in person)	May 3
Last day to drop with a "W" (Internet)	May 5

Final Exam Monday, June 03, 10:00 a.m. to 12 noon.

Attendance

Attendance is mandatory for all class meetings. You could be dropped after 3 absences but it is your responsibility as a student to drop a class if you decide to quit attending class.

Student Conduct

Students are expected to adhere to all school policies, and to abide by the standards of student conduct as described in the Schedule of Classes. Any infringement upon the rights of the other students in the class, such as talking or disruptive behavior will not be tolerated. Please turn off your cellular phone before coming to class.

Cheating:

Any students caught cheating, which means any work that is not the student's or that the student has allowed others to copy, will receive an automatic "F" for the assignment or the course.

Testing:

Questions on quizzes, tests, and final examination will be based on examples worked in class and assigned homework. Most quizzes and all tests and final exam are in a free response format. All exams are closed notes and books. You are allowed to use a scientific calculator on exams but cellular phones, Ipods, graphing calculators, Ipad, and computers are not allowed. There will be no make-up on in-class work, quizzes, tests, and final exam. Two lowest quiz scores and one lowest test score will be dropped.

Tutorial Service

Free tutoring is available at the Math Center, which is located in CMS 120.

Math Center Phone: (818) 364-7811 or visit www.lamission.edu/mathcenter.

Enhanced WebAssign online tutorial can be accessed through any computer with Internet access.

Through STEM, the math department is in the process of creating useful online resources for STEM students.

Please visit www.lamission.edu/STEM.

Grading

Percentage Distribution		Assigned Grade	
Homework	10%	90 - 100%	A
Quizzes	10%	80 - 89%	B
Written Tests	52%	70 - 79%	C
In-Class	4%	60 - 69%	D
Final	24%	below 60%	F

Course Organization

The course will follow the tentative schedule as closely as possible.

Week	Date	Monday	Wednesday
1	Feb 04 / Feb 06	Intro. Enhanced WebAssign Ch12.1 to 12.2	Intro. Mathematica Ch12.3 to 12.4
2	Feb 11 / Feb 13	Ch12.5	Quiz I , Ch12.6
3	Feb 18 / Feb 20	President's Day	Ch13.1 to 13.2
4	Feb 25 / Feb 27	Ch12 Test	Quiz II , Ch13.3 to 13.4
5	Mar 4 / Mar 6	Review, Ch14.1	Ch13 Test
6	Mar 11 / Mar 13	Ch14.2 to 14.3	Ch14.4 to 14.5
7	Mar 18 / Mar 20	Quiz III , Ch14.6 to 14.7	Quiz IV , Ch14.8 to 15.1
8	Mar 25 / Mar 27	Ch15.2 to 15.4	Ch14 Test
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9	Apr 08 / Apr 10	Quiz V , Ch15.5 to 15.6	Ch15.7 to 15.8
10	Apr 15 / Apr 17	Quiz VI , Ch15.9	Review, Ch15.10
11	Apr 22 / Apr 24	Ch16.1 to 16.2	Ch15 Test
12	Apr 29 / May 01	Ch16.3 to 16.4	Quiz VII , Ch16.5 to 16.6
13	May 06 / May 08	Ch16.7 to 16.8	Review, Ch16.9
14	May 13 / May 15	Ch9.1 to 9.3 (Review Math 266)	Ch16 Test
15	May 20 / May 22	Ch9.5, Review	Final Review
16	May 27 / May 29	Memorial Day	No Class
17	Jun 03 / Jun 05	Final Exam (10:00 a.m. - 12:00p.m.)	No Class