Mathematics 267
Calculus With Analytic Geometry III
Spring 2016

Text: Calculus, *Seventh Edition*, by James Stewart (ISBN 978-0-538-49781-7)
Instructor: Jim Castro
Office Hours: TTH 9:20 pm -10:20 pm in MS103 or by appointment
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COURSE PREREQUISITE: A grade of C or better in Math 266. You may not request or obtain an add permit if you do not satisfy this prerequisite.

COURSE CONTENT: Math 267 is the final course in a three-semester, unified treatment of calculus and analytic geometry. It includes quadric surfaces, vector and parametric equations in two and three space, curvature, cylindrical and spherical coordinates, partial differentiation, gradient, maxima and minima for functions of several variables, multiple integration, surface integrals, line integrals, Green's Theorem, Divergence Theorem, and Stokes's Theorem.

STANDARD LEARNING OUTCOME: Upon the successful completion of this class, students will be able to think analytically about higher level mathematics concepts in order to model and solve calculus problems.

ATTENDANCE & TIME REQUIRED OUTSIDE OF CLASS: Attendance is essential for success in this course. We will have graded class assignments at almost every meeting. These cannot be made up. Therefore, missing class will adversely affect your grade. If you decide to stop attending the class, **it is your responsibility to officially drop by the published deadlines – see below**. If you stop coming to class but do not officially drop, you will receive a letter grade in the class based on the average of assignments and tests completed and not completed. Any assignment or test not completed receives zero points. You may be dropped from the class for absences exceeding five hours or two class meetings. Three cases of tardiness are equivalent to one absence (This includes returning late from the designated break). Leaving and reentering the classroom once the lecture has started is distracting to everyone and must be avoided. This may also count as one-third (or more) of an absence. It is your responsibility to discuss with me any absences that might alter your status in the class.

> IMPORTANT DATES (AS GIVEN IN THE SCHEDULE OF CLASSES):
> Last Day to Drop Without Receiving a "W" is February 21st. (internet only)
> Last Day to Drop With a "W" is May 8th. (internet only)

CALCULATORS: Calculators that can perform calculations for which you will be assessed (differentiation, integration, graphing, etc.) are not allowed. Cell phone calculators are not allowed on exams. If you want to use a calculator on an exam it is your responsibility to bring one with the appropriate limitations. If you are using a calculator that can perform test operations you will be considered cheating.

COURSE REQUIREMENTS: Final course grades will be determined by the following course work.

- **FINAL EXAM:** The final exam is cumulative and will be given on Tuesday May 31st from 7 pm to 9 pm.
- **TESTS:** There will be three tests in addition to the final exam. Test dates are given on the tentative schedule. These dates are subject to change and will be confirmed in class one week prior to the exam. With proper documentation presented in a timely manner, one missed test may be made up or replaced with the final exam at my discretion. A second missed test will receive a grade of zero. Test grades (including the final exam) are never curved. They will be assigned a letter grade using the same criteria as the course grade.
- **CLASSWORK:** There will be in–class, group assignments almost every day. These assignments will be graded on a regular basis at my discretion. The assignments will be completed in groups of 4 or 5 people. Each member of each group will turn in a paper and one paper from the group will be selected at random for grading. Each group member will receive a grade based on this one paper.. There are no make-ups on group assignments. If you leave early (before 9:20) with an incomplete assignment or with any errors on the assignment, that assignment will receive a zero. Class ends officially at 9:20 pm. There will be no penalty for work not finished by this time (unless a minimum completion number has been established). Work turned in at 9:20 will be graded on correctness not completeness. Internet access is not allowed during classwork.

- **HOMEWORK:** Homework will be assigned at each class meeting. As time allows I will answer questions on the homework at the following class meeting. Each individual homework assignment should be completed one week after its corresponding section has been covered in class. A quiz may be given on any homework assignment after it is due. Quizzes will count as two homework assignments and factored into the homework category. Students may sometimes be allowed to use their own written homework to complete a quiz. Therefore you should bring your completed homework to each class meeting. All of the homework pertaining to a given test will be collected and graded on the day of that test. Each section assignment is worth 5 points. To earn the full 5 points, every problem must be completed, correct, and with all work shown. The section number and the problems assigned should be written at the beginning of each assignment. Homework must be submitted with a cover page that includes an accurate self-evaluation. Instructions for the cover page will be given in class.

BASIS OF GRADING: Final course grades will be assigned using a weighted percent system. This calculation is made by multiplying the overall average in each category by its weighting factor and then finding the sum of these products.

Course requirements are weighted as follows:		The course grade will be determined as follows:	
		A	90% – 100%
Final Exam	25%	B	80% – 89%
Tests	60%	C	70% – 79%
Classwork	7.5%	D	60% – 69%
Homework	7.5%	F	below 60%

ACADEMIC HONESTY: Cheating is a serious offense. Examples of cheating during an exam include looking at another student's exam, copying a solution from another student, giving answers or allowing another student to copy your solution, using unauthorized notes or formula sheets, using any unauthorized technology, and having a cell phone on your desk. If you are caught cheating on an exam, the penalty will include receiving a zero score on the exam and being referred to the Vice President of Student Services for possible further disciplinary action.

STUDENT CONDUCT: Learning mathematics requires concentration. Please refrain from any behaviors that distract other students from learning. This includes leaving class to use the restroom or to use your cell phone except during designated breaks. Cell phones should be turned off (including alert sounds) before class begins. Persistence in distracting behaviors may result in suspension from class and consequently a lower grade in the course.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES: If you are a student with a disability requiring classroom accommodations, and have not contacted SSD, do so in a timely manner. SSD is located in the Student Services Annex, Room 175 or call SSD at (818) 947-2681 or TTD (818) 947-2680 to meet with a SSD counselor. If SSD has already sent the memo to me confirming your required accommodations, please meet with me to discuss arrangements.

EXTRA CREDIT: Extra credit may be awarded at the end of the semester for an outstanding body of work throughout the semester. This would include a minimum average of 90% on all homework, classwork and quizzes, strict observance of student conduct guidelines, and excellent participation. If these criteria are met, I may add up to 2% to your overall grade or replace your lowest exam score with your final exam score.

FINANCIAL AID: *Financial Aid is available! Call (818) 947-2412.* Go to the Financial Aid Office in the Student Services Center, first floor. For more info*: http://www.lavc.edu/financialaid/index.html.*

DISCLAIMER – SUBJECT TO CHANGE: Please be advised that this syllabus is subject to change at any time at the sole discretion of the instructor.