

Math 71 - Calculus I With Analytic Geometry
Sec 201, Reg ID: 120051

Instructor: Parran Vanniasegaram

Class Time and Location: MTWTh 10:45 - 11:50 am, MS-116

Office Hours: MTWTh 7:30 - 7:55 am, MW 11:55 am - 2:05 pm (MS-116)

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Please do not hesitate to contact me with any questions that you have. I am very happy to answer all of your questions!

Textbook: Calculus Early Transcendentals 9th Edition, by James Stewart

Calculator: You will need to purchase a calculator; it will be needed for some of the homework problems. Calculators will not be allowed on the exams.

Course Description: This is the first course in calculus for students majoring in mathematics, physical science, computer science, or engineering. Students study functions and inverse functions, limits, the derivative as a limit, continuity, rules of differentiation, chain rule, implicit differentiation, applications of differentiation, linear approximations, related rates, optimization problems, antiderivatives, Riemann sums, the Fundamental Theorem of Calculus, and the substitution rule for integration.

Time Commitment: As stated in the Evergreen Valley College course catalog, students are expected to spend at least two hours studying outside of class for each credit hour. That means you should be spending at least **four hours and twenty minutes** on each homework assignment (reviewing the notes, reading the textbook, doing the homework problems, watching videos related to the course material, etc.).

Student Learning Outcomes: Upon completion of this course, the student will be able to:

1. Compute and interpret limits of a function using analytic and other techniques when they exist; when limits do not exist, give reasons why for their non-existence.
2. Apply the definition of continuity in terms of limits to analyze the behavior of functions at a point, and explain why the function may not be continuous at a given point.
3. Compute the derivative of various functions using both the definition of a derivative of a function in terms of limits and differentiation formulas.
4. Apply differential calculus to the study of functions and their graphs to obtain the equation of the tangent line to a function, to optimization and related rate problems, and to the applications from science, engineering, and economics.
5. Define the definite integral as a limit of a Riemann sum to determine the area under the graph of a function, and evaluate definite integrals using the Fundamental Theorem of Calculus.
6. Apply integration to find area.

Disabilities Support Program and Services: If you have a physical or learning disability that requires special accommodations, please see the Disabilities Support Program Counselor. Contact me within the first week of class to communicate your accommodation needs.

Attendance: You are expected to attend all classes, arrive on time, and stay for the entire class; I take attendance every single class. I reserve the right to drop/withdraw students who are absent more than **four** times during the semester. If you miss class, please send me an email explaining the reason.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to formally drop the class. You should not rely on the instructor to drop you from a class for non-attendance. You may drop by telephone using the STAR system (408-223-0300), or online using the Self-Service System, or by completing the proper forms in the Office of Admissions and Records. To be eligible for a refund of fees and/or prevent a recorded grade of "F" or "W", you must drop the class on or

before the following posted dates:

February 11 - Last day to drop without a “W” and apply for a refund.

April 25 - Last day to drop with a “W”.

Student Conduct: A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. Please read the course catalog for more information.

Cell Phone Use: There is no reason to have your cell phone out during class. If I see your cell phone, I will ask you to put it away.

Academic Dishonesty: Cheating is absolutely forbidden in my class. Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade in the course and will be reported to college authorities. Please look at Page 233 of the course catalog for more information.

Early Alert: Evergreen Valley College is committed to improving student success and believes that all students can succeed in their academic work and achieve their educational goals. Thus, it has enacted an Early Alert Program allowing instructors early in the semester to notify students who are struggling in their classes who might be at-risk of not passing the course. Once the instructor reports that a student is at-risk of failing the course, the student will receive an email and a follow-up phone call encouraging the student to talk to his/her instructor, seek tutoring (if needed), and/or use other on-campus resources available to students.

Homework is collected every Monday and Wednesday (after the first class) and the first twenty-one homework assignments are worth four points each. The last few assignments will be collected, but not graded. Late homework is not accepted under any circumstances. Your lowest homework score will be dropped.

Quizzes: After the first class, there will be a quiz given every Monday and Wednesday (except for classes where there are exams). The first eighteen quizzes are each worth ten points. The remaining quizzes are ungraded. No makeup quizzes are allowed. Your lowest quiz score will be dropped.

Exams: There will be three exams and each exam is worth 100 points.

Final Exam: The final exam will be given on the last two days of classes and it is worth 250 points; it covers the entire semester.

Extra Credit: There is no extra credit given in this class. If you are interested in improving your grade, please spend more time working on the homework assignments.

Grading: It can be inferred from the last few lines that there are 800 total points.

Here is my grading scale:

A	B	C	D	F
90% - 100%	80% - 90%	70% - 80%	60% - 70%	0% - 60%
720 - 800 pts	640 - 719 pts	560 - 639 pts	480 - 559 pts	0 - 479 pts