

MATH 151 • Calculus I
CRN: 22661 • TTh 11:45 – 1:50 PM
Spring 2020 Syllabus

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Required Materials:

Text: *James Stewart, Calculus: Early Transcendentals, Eighth Edition, published by CENGAGE Learning, ISBN-13: 978-1285741550*
Paper: All graded work must be done on 8.5 x 11 in., 8 x 11 in., or A4 size paper. Work done on other sizes or spiral notebook paper will not be graded.

Course Description: This course covers limits and continuity, differentiation of algebraic, transcendental and inverse functions, applications of differentiation, anti-derivatives and indefinite integrals, and the definite integral. Graphing calculators or related software may be used for selected topics.

Prerequisite: MATH 141 College Algebra and MATH 142 Trigonometry or equivalent, with a grade of "C" or better, or math skills clearance

Student Learning Outcomes: 1) Determine the value of one-sided or two-sided limits analytically or graphically. 2) Analyze a function to determine an appropriate method of differentiation, and apply the method to determine the derivative. 3) Analyze a function for continuity, relative extrema, intervals of increasing/decreasing, concavity, and/or points of inflection. 4) Calculate the area between a curve and the coordinate axes using The Fundamental Theorem of Calculus and evaluate an integral using basic methods including substitution.

What to Expect: This class is your first course in whole new universe of mathematics: calculus. You will be expected to use your computation skills learned in algebra along with reasoning skills from geometry and trigonometry. The notation and symbols will be new to those students who haven't seen calculus before. If you focus on not being intimidated by the new symbols, you might find most of the underlying operations are no more difficult than in your previous math courses.

As with every new math course, homework is an important part of the learning process. The homework is supposed to be challenging and you are expected to struggle. Do not use the student solutions manual to circumvent this process. If a student puts considerable amount of effort into this class but does not pass, it is usually due to reliance on the solutions manual. Plan on spending at least 4 hours per week on out-of-class studying. Setting a regular schedule can be very effective.

Contacting Me: The best way to contact me outside of office hours is by using email. My office hours are **Monday, 9:25-10:25 AM, Tuesday 9:30-11:30 AM, Wednesday 9:25-10:25 AM and Thursday 9:30-11:00 AM.**

Homework: I will assign and collect homework daily. Please read my homework guide on my website. **Late homework will NOT be accepted.** Your homework must be neat and organized, showing the

original problem and all of the necessary work. Your final answer should be circled, boxed or highlighted. Disorganized and/or messy assignments with misleading information or correct answers that “magically” appear from incorrect work will receive no credit. Each section will be graded on a 5-point scale based on completeness. I encourage you to discuss the homework with classmates, however you will be on your own during exams and quizzes, and the homework is designed to be preparation for these situations.

Quizzes: Quizzes consisting of problems from the homework will be given periodically. **There will be NO make-ups.** If you are not in class during the time we take the quiz, you will receive a zero on the quiz and you will not be able to make it up. Please try to make it to class on time.

Exams: There will be 4 exams during the semester and one comprehensive final exam. Tests must be taken on the designated date. **Make-up tests will not be given.** In the event that it will help your grade, you may replace your lowest test score* with your score on the final exam.

Grades: Your semester grade will be determined using the following scale, rounded to the nearest percent. A: 90 – 100%, B: 80 – 89%, C: 70 – 79%, D: 60 – 69%, F: Less than 60%.

If your adjusted test average (your test average after replacing your lowest test score with your score on the final exam) is less than 70% at the end of the semester, your grade will be the minimum of your adjusted test average and your grade calculated using the weights below. In other words, to earn a C grade or higher, you must finish with a test average of a C or higher.

If your adjusted test average is 70% or greater, your grade will be determined using the following scale:

Homework	10%
Tests	67%
Final Exam	20%
Quizzes	3%

Calculators: A graphing calculator is recommended. The **TI-84 graphing calculator** is a good choice since this is the calculator I will be using during in-class demonstrations. A calculator may be permitted for use on some quizzes and tests. If you do not have a calculator at the time of the quiz/test, you may NOT share one with a classmate. TI-89 or above (or equivalent model) will not be allowed. You may not use your cell phone calculator on quizzes or tests.

Student Honesty Policy: Cheating at the college level is a very serious offense. If I observe you cheating on any test or quiz, after the first incident you will receive a zero and a warning. If there is a second incident, you will receive another zero and the college administration will be contacted. A zero score on an exam that is the result of cheating will not be replaced by the final exam score.

Attendance: Attendance will be taken each class meeting. If you are absent for three days during the semester and you do not contact me, you will be **dropped from the course.**

Fullerton College Policies: The Fullerton College Catalog and the Class Schedule contain a number of policies relating to students that are important to you. Please be sure that you have read these publications thoroughly. You may purchase copies of these publications at the campus bookstore, or you may read them online at the Fullerton College website, www.fullcoll.edu.

*If you receive a zero on an exam for cheating, you may not replace that score with your score on the final exam