Math 150: Calculus with Analytic Geometry I – Fall 2025

Instructor: MK Choy

Primary email address: mkchoy32@hotmail.com (Put in the subject line “Math 150” or “Calculus 1” otherwise it’ll be treated as spam.) Will respond within a couple business days.

Office and Office Hours: Mondays 11:30 – 1:30 in 924HE

Meeting time and room: Mondays & Thursdays 09:30 – 11:20 in 424HW

Textbook: Essential Calculus: Early Transcendental, James Stewart, 2nd edition, Cengage

Prerequisites: A grade of B- or better in Math 12550 (Pre-Calculus). Students are expected to be familiar with algebra and trigonometry.

Expected Learning Outcomes:
The student will learn about functions of one variable, including the concepts of limit, continuity and the derivative. The student will be able to compute derivatives of various functions using the definition of the derivative, the power rule, the product and quotient rules, the chain rule, and implicit differentiation. The student will learn the Mean Value Theorem and the Intermediate Value Theorem. These concepts will be applied by the student to various problems involving related rates, curve sketching and optimization, and linear approximation. The student will learn about antidifferentiation and the Riemann integral, and will be able to compute Riemann integrals of some simple functions using a Riemann sum and the Fundamental Theorem of Calculus.

Topics covered: We’ll be covering chapters 1 – 5, though not every section will be covered. The chapters and sections are as follows:
1.3 – 1.6, 2.1 – 2.8, 3.1 – 3.3, 3.7, 4.1 – 4.5, 4.7, 5.1 – 5.5

Homework: (10%)
There will be homework assigned, worth 10% of your grade, which will be given online after a section is covered. Students will be using Webassign (you can access this from Brightspace) to do their homework. Homework is meant to help you understand the material, and these assignments are for your own benefit. Extensions will **NOT** be granted. You are encouraged to work on them as soon as possible.

Exams: (90%)
There will be 3 in-class, closed book exams which will cover the material from the topics covered. A missed exam will result in a score of 0. Information regarding exams will be announced in class. Calculators are **NOT** allowed to be used during the in-class exams.

Exam dates: (subject to change)
Exam 1: October 9th (Thursday)
Exam 2: November 6th (Thursday)
Exam 3: December 11th (Thursday)
Final: TBA

Final Exam:
The final exam is required for every student; no one is exempt from taking the final exam.
The final exam will be cumulative and will be counted **twice** into determining your final grade.
Information regarding the final exam will be given later in the semester.

Grading:
Your end of the semester grade will be determined by homework and exams. 90% of your grade will come from your exam scores and 10% will come from homework assignments. The letter grade to be recorded on your transcript will be determined by the Hunter College grading system:

Final Grade	Course Grade	Final Grade	Course Grade
97.5 - 100	A+	80 - 82.4	B-
92.5 - 97.4	A	77.5 - 79.9	C+
90 - 92.4	A-	70 - 77.4	C
87.5 - 89.9	B+	60 - 69.9	D
82.5 - 87.4	B	0 - 59.9	F

The department does **NOT** allow P/NCR grades for this course.

Details regarding grading:
Since the final exam will be counted twice, each student will have 5 scores. Out of these 5 scores, the lowest score will be dropped, that is, that score will not be counted into determining the final grade. I will take the average of these 4 scores, and then take 90% of the average. Since an exam score gets dropped, **there will be no make-up exams**.

Withdrawal:
At any time up to the withdrawal deadline, students may withdraw from the course with a grade of W on their transcripts. It is your responsibility that you take the necessary procedures to officially withdraw from the course. If you stop attending and have not officially withdrawn from the course, you will receive a grade of WU instead.

Academic Integrity:
Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

Disability:
In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/or Learning) consult the Office of AccessABILITY located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212-772-4857)/TTY (212-650-3230).

Sexual Harassment:
In compliance with the CUNY Policy on Sexual Misconduct, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444).

b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry (colleen.barry@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.