

Hunter College of The City University of New York
Department of Mathematics and Statistics

Math 124.xx

Fall 2023

Time:

Room:

Instructor: E-mail:

Office Hours:

Prerequisite: A grade of C or better in Math 10100/Math101EN or the appropriate score on the Compass Exam, ACCUPLACER College Level Math Exam, or the Hunter College Placement Exam.

Note: this class does not serve as a prerequisite to Calculus Math 150/152. If you wish to take Calculus, you should register for Math 12550 Precalculus with Workshop. If you take this course and later want to take Calculus, you will need to receive a C or better in this course and be required to take the 1-credit course Math 140 Mathematical Reasoning Workshop as a corequisite or prerequisite to Math 150/152.

Textbooks: Hunter OER class (Open Educational Resource class).

OpenStax *Algebra and Trigonometry*, Jay Abramson, et al (ISBN-10 1-938168-37-2).

OpenStax *Precalculus*, Jay Abramson, et al (ISBN-10 1938168348).

It is not necessary to purchase these textbooks. They are available on our online homework site as pdf's.

Learning Outcomes: Upon completion of the course you should be able to:

1. Solve linear, quadratic, quadratic-like, rational, radical, absolute value, exponential, logarithmic, and trigonometric equations and linear, compound, and absolute value inequalities.
2. Identify and describe properties of functions and their graphs.
3. Analyze, graph, and apply transformations to linear, polynomial, rational, exponential, logarithmic, trigonometric, and inverse trigonometric functions.
4. Utilize the functions above to solve a variety of real-world application problems.
5. Verify trigonometric identities and use the sum, difference, double, and half-angle identities.

Syllabus: *Algebra and Trigonometry:* 2.1-2.3, 2.5-2.7. These sections appear as P.1-P.6 (Prerequisites) on our online homework site.

Precalculus: 1.1-1.5, 1.7, 2.1-2.3, 3.1-3.7, 4.1-4.7, 5.1-5.4, 6.1-6.3, 7.1-7.3, 7.5.

Homework: All homework is done on Lumen's Online Homework Manager (OHM). There is an assignment for every section of the textbook, due approximately a week following the lecture. Always check the OHM calendar for upcoming assignments.

In order to see the assignments for this course, you must set up an OHM account, (<https://ohm.lumenlearning.com>). Select "enroll in a new course"; you will be prompted to enter the course id and the enrollment key, which for this section is:

Course Id:

Enrollment Key:

The last page contains more detailed instructions for enrolling and paying for OHM. The cost is \$35 if you pay online and \$47.95 if you purchase an activation code from Akademos (the Hunter College online bookstore) or Shakespeare and Company.

Late Passes: you will have 4 late passes that enable you to work on an assignment within 96 hours (4 days) past the due date.

Grading Policy: There will be 4 semester exams and a final exam. The final exam will count as 2 exams. Of these 6 parts, the lowest is dropped. Since an exam is dropped, there are **no make-up exams**. To obtain the exam average, take $5 \times$ (the highest exam score) + $4 \times$ (the next highest score) + $3 \times$ (the next score) + $2 \times$ (the next score) + $1 \times$ (the lowest score) and then divide by 15.

Your final average is calculated as follows:

80% Exams
20% OHM homework

To receive an incomplete, you must have taken at least three of the in-class exams, have a C average on those exams, and have a legitimate excuse for missing the final exam. P/NC is not accepted for this course. The letter grade is determined as follows:

<u>Grade</u>	<u>Percent</u>
A+	97.5-100
A	92.5-97.4
A-	90.0-92.4
B+	87.5-89.9
B	82.5-87.4
B-	80.0-82.4
C+	77.5-79.9
C	70.0-77.4
D	60.0-69.9
F	0-59.9

Tutoring: Table tutoring and audiovisual materials are available at The Dolciani Mathematics Learning Center, located at the Silverstein Student Success Center 7th Floor Hunter East. Review materials to be prepared for this course are available for Math 124 on the Dolciani website www.hunter.cuny.edu/dolciani by clicking on Brush-Up Skills. The Dolciani Mathematics Learning Center also offers a study skills workshop. For each workshop that you attend, one point will be added to your first exam score. There are 6 workshops that are offered. The Dolciani Mathematics Learning Center is also a very good place to work on your OHM assignments.

Calculators: A scientific calculator is required for the exams. Graphing calculators, cell phones, iPads, laptops, etc. are not permitted for the exams.

Academic Integrity Statement:

“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.”

ADA Statement:

“In compliance with the ADA and with Section 504 of the Rehabilitation Act, Hunter College is committed to ensuring educational access and accommodations for all its registered students. Hunter College’s students with disabilities and medical conditions are encouraged to register with the Office of AccessABILITY for assistance and accommodation. For information and appointment contact the Office of AccessABILITY located in Room E1214 or call (212) 772-4857 /or VRS (646) 755-3129.”

Hunter College Policy on Sexual Misconduct:

“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.

CUNY Policy on Sexual Misconduct Link: <http://www.cuny.edu/about/administration/offices/la/Policy-on-Sexual-Misconduct-12-1-14-with-links.pdf>”

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