**Math 125.06**

**Spring 2018**
**Time:**  MTH 1:10–3:00PM
**Room:** HW 204

**Instructor:**    Mr. Grote
**E-mail:**       mg3545@hunter.cuny.edu
**Office Hours:**  MTH 12:00–1:00,  924HE

**Prerequisite:**

A grade of C or better in Math 101 or the appropriate score on the
Compass Exam or ACCUPLACER College Level Math Exam. Also, you must
obtain a grade of C or better to take Calculus.

**Textbook:**

4th Custom Edition for Hunter College with MyMathLab of the 6th
Edition of Robert Blitzer's *Precalculus*, Pearson Custom Publishing.
*Note: you must buy a new textbook for this course.* The custom edition
can be purchased at The Hunter College Online Bookstore or at
Shakespeare and Company (Lexington Avenue between 68 and 69 streets).
Price: $106.66. The e-text with MyMathLab can be purchased by going
to www.pearsonmylab.com. Price: $103.95.

**Learning Outcomes:**

Upon completion of the course you should be able to:

1. Identify and describe properties of functions and their graphs.
2. Find the distance and midpoint between two points.
3. Determine the standard form of the equation of a circle and its graph.
4. Model real-world problems using functions.
5. Simplify expressions and perform operations using the complex number system.
6. Analyze, graph, and apply transformations to linear, polynomial, rational,
    exponential, logarithmic, trigonometric, and inverse trigonometric functions.
7. Utilize the functions above to solve a variety of application problems.
8. Employ radian measure and demonstrate facility with the unit circle.
9. Verify trigonometric identities and use the sum, difference, double, and half-
angle
      identities.
10. Apply the Law of Sines and Law of Cosines to solve triangles and application
        problems.
11. Solve polynomial and rational inequalities.
12. Solve exponential, logarithmic, and trigonometric equations.
13. Solve systems of linear and non-linear equations.

**Syllabus:**

Ch.1, 2.1–2.7, Ch. 3, Ch. 4, 5.1–5.3, 5.5, 6.1, 6.2, 7.1, 7.4

**Attendance:**

Attendance is mandatory. Lateness counts. 3 Late = 1 absent. Every 3
absences will lower your grade by a 'half letter,' for example from a
B to a B-.

**Homework:**

The course code is **grote16946.**

We use an online homework system called MyMathLab. Homework is 20% of your grade. You will need an access code that comes with the purchase of a new textbook AS WELL AS the course access code, again, **grote16946.**

Homework is due one week after a section is covered.

Extensions are offered at my discretion and must be requested BEFORE the due date, not after. Homework is opened the day of lecture and due midnight (11:59pm) one week after posting. Exams are hard deadlines for homework, for example there are no extensions for chapter 1 homework after the exam covering chapter 1.

If you cannot purchase a textbook immediately, you can create a temporary account for MyMathLab by going to www.pearsonmylab.com. You will have 14 days to enter your access code (from the book purchase).

**Diagnostic Homework Assignment:**

There is a diagnostic homework assignment that will cover some of the P (prerequisites) sections. The due date is Friday February 9.

**Grading Policy:**

There will be 4 in-class exams and a final departmental exam.

The exam portion of your grade is calculated as follows. Each in-class exam counts once. The final counts twice. This makes 6 grades. Of the 6 grades, the lowest will be dropped. This leaves 5 grades. Your exam grade is determined from these 5 grades.

Notice: This requires you to take the final.

**There are no make-up exams.** The first missed exam counts as your dropped grade.

Your final grade is calculated as follows:

80%    Exams
20%    MyMathLab 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. To request a Credit/No Credit you must attend class and take the exams including the final exam.

A curve is unlikely.

**Tutoring:**

Table tutoring and audiovisual materials are available at The Dolciani Mathematics Learning Center, located at the Silverstein Student Success Center 7$^{th}$ Floor Hunter East. Review materials to be prepared for this course are available for Math 125 on the Dolciani website www.hunter.cuny.edu/dolciani by clicking on Brush-Up Skills. The Dolciani Mathematics Learning Center is also a very good place to work on your MyMathLab 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:**

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 1214B Hunter East 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.