

Hunter College of The City University of New York

MATH 126 Precalculus Technology Laboratory 2 hrs, 1 cr.

This is an online course.

Texts: The Student's Introduction to *Mathematica* by Bruce and Eve Torrance, Cambridge;
Pre-Calculus by Blitzer, Pearson

There will be 7 lessons with homework assignments due approximately every two weeks.

. **Lesson 1:** *Mathematica* as an Arbitrary Precision Scientific Calculator; *Mathematica* as an Algebra Calculator

. **Lesson 2:** Solving Equations with *Mathematica*

. **Lesson 3:** *Mathematica* as a Graphing Calculator

. **Lesson 4:** Analyzing Polynomials and Rational Functions using *Mathematica*

. **Lesson 5:** Analyzing Logarithmic and Exponential Functions Using *Mathematica*; Analytic Trigonometry

. **Lesson 6:** Additional Topics in Trigonometry

. **Lesson 7:** Animations and Very Simple Programming

The above content is subject to change.