

**WILMINGTON UNIVERSITY
COLLEGE OF EDUCATION AND LIBERAL ARTS
BASIC COURSE INFORMATION**

COURSE NUMBER: MAT121

COURSE TITLE: College Math 1

Faculty Name:

Contact Information:

Pre-Requisite: Pass math skills assessment or MAT 110 with a grade of "C" or better.

Text/Software:

Credits: 3

40 Hours of Structured Learning Activities

COURSE DESCRIPTION: This course provides a review of algebra fundamentals, including linear equations and inequalities, polynomials, factoring, rational expressions, integer exponents, and quadratic equations. The course will also cover linear, quadratic, polynomial, rational, and exponential functions as well as graphing techniques for these functions. The elimination method for solving systems of linear equations will be discussed. The mathematics of finance will be introduced. Applications of mathematics will be stressed. Please note that a minimum grade of "C" is required in this course in order for a student to take higher level math courses for which this course is a prerequisite.

At the conclusion of this course students will be asked to evaluate the course based on the following objectives:

- Gain factual knowledge (terminology, classifications, methods, trends).
- Learn fundamental principles, generalizations or theories.
- Learn to apply course material (to improve thinking, problem solving and decisions).

COURSE GOALS

GOAL A:

Analyze Functions

Learning Objectives: The student will:

A-1 Simplify and graph linear functions.

A-2