

### **MATH 1111: College Algebra**

#### **3 Credit Hours**

This course provides an in-depth study of the properties of algebraic, exponential and logarithmic functions as needed for calculus. Emphasis is on using algebraic and graphical techniques for solving problems involving linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions.

### **MATH 1113: Precalculus**

#### **3 Credit Hours**

*Prerequisite: MATH 1111 or By Placement*

This course is an intensive study of the basic functions needed for the study of calculus. Topics include algebraic, functional, and graphical techniques for solving problems with algebraic, exponential, logarithmic, and trigonometric functions and their inverses.

### **MATH 1160: Elementary Applied Calculus**

#### **3 Credit Hours**

*Prerequisite: MATH 1111, MATH 1113 or by Placement*

Uses techniques of college algebra and elementary calculus to analyze and model real world phenomena. The emphasis will be on applications using an intuitive approach to the mathematics rather than formal development. Topics include graphs, derivatives, and integrals of functions. The course incorporates collaborative learning, oral and written reports, and technology.

Notes: This course is not intended for majors within the College of Science and Mathematics or the Southern Polytechnic College of Engineering.