

MATH 0997 Support for Quantitative Reasoning (2-1-2)

This course provides an introduction to the algebraic concepts and techniques necessary for MATH 1001. This course will focus on additional support for MATH 1001 assignments and will serve as a continuation of the information covered in the MATH 1001 classroom. The topics covered include performing basic operations with rational and real numbers, representing mathematical relationships symbolically, set notation, evaluating expressions, plotting and graphing in the Cartesian coordinate system, using percentages, and solving linear equations.

Prerequisites: MATH 0987 or required scores for co-requisite remediation placement.

Corequisites: MATH 1001.

Offered: All semesters.

MATH 0999 Support for College Algebra (2-1-2)

This course provides an introduction to the algebraic concepts and techniques necessary for MATH 1111. This course will focus on additional support for MATH 1111 assignments and will serve as a continuation of the information covered in the MATH 1111 classroom. The topics covered include performing basic operations with rational, real, and complex numbers, simplifying expressions, solving algebraic equations (linear, quadratic, polynomial, exponential, logarithmic), factoring polynomials, operating with rational and radical expressions and equations. Appropriate applications with the graphing calculator will be included. A TI-83 Plus or TI-84 graphic display calculator is required.

Prerequisites: MATH 0989 or required scores for co-requisite remediation placement.

Corequisite: MATH 1111.

Offered: All semesters.

MATH 1001 Quantitative Skills and Reasoning (3-0-3)

This course is an alternative in Area A of the Core Curriculum and is not intended to supply sufficient algebraic background for students who intend to take Precalculus, Trigonometry, or the Calculus sequence for mathematics and science plans of study. This course places quantitative skills and reasoning in the context of experiences that students will likely encounter. It emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined. A graphing calculator is required. MATH 1001 is a math course for non-science plans of study and may be used as a prerequisite to MATH 2205 and/or MATH 1145. Students receiving credit for MATH 1001 cannot receive credit for MATH 1111.

Prerequisite: MATH 0099, MATH 0987, MATH 0989 or satisfactory math scores to place into co-requisite remediation or higher.

Offered: All semesters.

MATH 1101 Introduction to Mathematical Modeling – eCore only (3-0-3)

This course is an introduction to mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. Emphasis is on the use of elementary functions to investigate and analyze applied problems and questions, supported by the use of appropriate technology, and on effective communications of quantitative concepts and results.

Prerequisites: none.