# Catalog Entries 00020-24 Fall 13

## Math 00020 – Pre Algebra

Properties of whole numbers, fractions, decimals, percents, signed numbers and order of operations. Mental math and elementary algebraic thinking skills are emphasized and use of calculators is not allowed. Course does not count toward graduation. Prerequisite: ALEKS math single assessment score of 0-9.
2.000 Credit hours
2.000 Lecture hours

Syllabus Available
Levels: Undergraduate
Schedule Types: Emporium

Mathematics Department

Course Attributes:
ALEKS

## MATH 00021 - BASIC ALGEBRA I

Includes operations on integers, fractions, decimals and percents, properties of real numbers. Introduction to variables, first degree equations and problem-solving with formulas. Equations and inequalities in one variable, linear equations, rate of change and slope, graphing in the cartesian plane. Course does not count toward graduation. Pre/corequisite: minimum C (2.000) in MATH 00020;or ALEKS math assessment minimum score of 10.
2.000 Credit hours
2.000 Lecture hours

Syllabus Available
Levels: Undergraduate
Schedule Types: Emporium

Mathematics Department

Course Attributes:
ALEKS

## MATH 00022 - BASIC ALGEBRA II

Introduction to functions, systems of linear equations, exponents, polynomial operations, scientific notation. Factoring polynomials, solving quadratics by factoring, radicals and rational exponents. Course does not count toward graduation. Prerequisite or corequisite: minimum C (2.000) grade in MATH 00021; or ALEKS math assessment minimum score of 25.
2.000 Credit hours
2.000 Lecture hours

Syllabus Available
Levels: Undergraduate
Schedule Types: Emporium

Mathematics Department

Course Attributes:
ALEKS

# Math 00023 – Basic Algebra III

Zeros of functions, rational expressions and equations, problem-solving with rational expressions, intermediate factoring techniques. Quadratics: functions, graphs, equations, inequalities, "quadratic type" equations and problem-solving. Course does not count toward graduation. Prerequisite or corequisite: minimum C (2.000) grade in MATH 00006 or 00022; or ALEKS math assessment minimum score of 35.

2.000 Credit hours
2.000 Lecture Hours

Syllabus Available
Levels: Undergraduate
Schedule Types: Emporium

Mathematics Department

Course Attributes:
ALEKS

# Math 00024 – Basic Algebra IV

Advanced factoring techniques, rational functions, radical equations, absolute value equations and inequalities. Exponential and logarithmic functions: introduction, graphing, problem-solving. Course does not count toward graduation. Prerequisite or corequisite: minimum C (2.000) grade in MATH 00023; or ALEKS math assessment minimum score of 45.
2.000 Credit hours
2.000 Lecture hours

Syllabus Available
Levels: Undergraduate
Schedule Types: Emporium

Mathematics Department

## Course Attributes:
ALEKS