

# MATH 016R: Fundamentals of Mathematical Literacy

Fundamentals of Mathematical Literacy is a course that develops students' problem-solving and logical reasoning skills to prepare them for college level mathematics courses. Topics addressed include numeracy, proportional reasoning, geometry and measurement, equality, algebraic reasoning, graphing, linear equations and introductory statistical topics. Upon completing Fundamentals of Mathematical Literacy, students will be prepared to enter Statistics I, Mathematical Investigations, or other introductory Liberal Arts mathematics courses. The course is student centered and focuses on developing quantitative literacy skills through activity-based instruction that integrates technology (e.g., graphing technology, manipulatives) and emphasizes the conceptual understanding of the mathematical concepts studied. Much of the course will focus on the misconceptions that students have developed over their mathematical careers. Multiple assessments tools will be used to measure the course competencies and may include on-going formative assessments, portfolios, quizzes, exams, and projects/investigations.

\*credits do not apply toward Associate degree requirements

**Credits:** 4

**Lecture Hours:** 4

**Program:** [Mathematics](#)