A quantitative reasoning course combining elements of algebra, geometry, and trigonometry grounded in real-world context. Topics include algebraic expressions, linear equations, quadratic equations, algebraic word problems, dimensional analysis, scientific notation, problem solving strategies, uncertainty, mathematical modeling, and communicating mathematical ideas.
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

Goal 04 - Mathematical/Logical Reasoning

1. Illustrate historical and contemporary applications of mathematical/logical systems.
2. Clearly express mathematical/logical ideas in writing.
3. Explain what constitutes a valid mathematical/logical argument (proof).
4. Apply higher-order problem-solving and/or modeling strategies.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted