

**Course Outline for:** MATH 0991 Math Skills for College Algebra**A. Course Description:**

1. Number of credits: 2
2. Lecture hours per week: 2
3. Prerequisites: MATH 0630 (C- or better); or  
MATH 0980 (C- or better); or  
MATH 0601, 0602, or 0603 with mastery of sufficient topics; or  
High School GPA 2.5-2.79; or  
ACCUPLACER NEXT GEN: Quantitative Reasoning, Algebra, and  
Statistics 255-300
4. Corequisites: MATH 1100 College Algebra
5. MnTC Goals: None

MATH 0991 Math Skills for College Algebra (2 credits) is taught concurrently with MATH 1100 College Algebra (4 credits). Together, the classes support students without MATH 1100 eligibility in completing the topics covered in both intermediate algebra and college algebra in one semester. Math Skills for College Algebra covers graphing and writing equations of lines; factoring and operations on polynomials; operations on rational expressions; exponent rules; simplifying radicals; calculator skills; and student success skills. Students must complete MATH 0991 and MATH 1100 concurrently.

**B. Date last reviewed/updated:** March 2023**C. Outline of Major Content Areas:**

1. Linear functions
2. Factoring
3. Rational expressions
4. Radicals
5. Polynomials
6. Exponent rules
7. Calculator skills
8. Student success skills

**D. Course Learning Outcomes:**

Upon successful completion of the course, the student will be able to:

1. Graph and write equations of lines
2. Factor and perform operations on polynomials
3. Perform operations on rational expressions
4. Use exponent rules
5. Simplify radicals

6. Use calculators and other graphing technology
7. Incorporate student success skills to enhance and improve the learning experience

**E. Methods for Assessing Student Learning:**

The instructor may choose a combination of assessment methods, including:

1. Attendance
2. Participation in group learning activities
3. Discussion board posts
4. Homework assignments
5. Quizzes
6. Exams
7. Projects

**F. Special Information**

None