



**COURSE NAME/NUMBER**

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**LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:**

Successful students will be able to:

1. manipulate basic algebraic expressions such as exponents, radicals, and complex fractions
2. solve a variety of equations, including linear, quadratic, rational, absolute value, and radicals
3. solve a variety of practical applications problems involving motion, work, area and ratios
4. graph functions without the use of a graphing calculator
5. to improve their speed and accuracy in mathematical calculations and manipulations and thereby be better prepared for entry into the next level of mathematics, MATH 094

This course will help returning adult students review their math skills in order to be successful in a program that requires mathematical comprehension.

**METHODS:**

Lectures to demonstrate methods as well as problem sessions.

**PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

Credit can be awarded for this course through PLAR (Please check :)  Yes  No

**METHODS OF OBTAINING PLAR:**

Course challenge

**TEXTBOOKS, REFERENCES, MATERIALS:**

[Textbook selection varies by instructor. An example of texts for this course might be:]  
The text is chosen by a departmental curriculum committee.

Recent test:

Bittinger, *Intermediate Algebra*, 8<sup>th</sup> Ed.

**SUPPLIES / MATERIALS:**

A scientific calculator and a trigonometry package that are available in the bookstore.

**STUDENT EVALUATION:**

[An example of student evaluation for this course might be:]

Assignments and quizzes	16 – 20%
Tests	40 – 44% (3 or 4)
Final exam	40%

Letter grades are assigned.

Students must achieve at least 40% on the final exam to receive credit for this course.

**COURSE CONTENT:**

[Course content varies by instructor. An example of course content might be:]

1. Exponents: positive, negative, and rational
2. Equations: linear, quadratic, literal, absolute value, and radicals
3. Inequalities
4. Applications include motion, area, work, and ratio problems
5. Polynomials
6. Factoring including cubes and four terms
7. Rational expressions and equations
8. Graphing straight lines and quadratics
9. Radicals
10. Trigonometry: Law of Sines and Cosines and applications
11. Functions

