Math 0303 – Intermediate Algebra - Fall 2025

Instructor: Mr. Aaron Boateng **Office**: RBN 4038

Office Hours: Mr. Boateng: 2:30 - 4:00pm M/W in RBN 4038 or by appointment.

Emails: aboateng2@patriots.uttyler.edu

Web: class page on Canvas **Class Meeting Time**: 12:30-1:50 TR (**RBN 4027**)

Required Text: None.

Prerequisites: This course is open to TSI-liable students.

Course Description: A study of the real number system, fractions, decimals, absolute values, percentages, comparisons and proportional reasoning, signed numbers, solving linear equations and inequalities, simplifying expressions and functions.

Student Learning Outcomes: Upon completion of this course, students should be able to do the following:

- Demonstrate an understanding of the real number system by doing arithmetic with real numbers, graphing numbers on the real number line, simplifying algebraic expressions using properties of real numbers, and by constructing algebraic expressions.
- Solve linear equations and inequalities, find equations of lines, and graph linear equations and inequalities.
- Evaluate and graph functions and be able to analyze the graph of a function.
- Demonstrate knowledge of exponent and radical rules by simplifying and rewriting algebraic expressions involving exponents and radicals.

Course Evaluation: This course is not credit-bearing. To pass the class a student must pass an Intermediate Algebra exam with a score of 70% or greater.

Important Dates:
September 1 – Labor Day - Holiday, no class.
September 8 – Census date. Last day to change schedule or file for grade replacement.
November 3 – Last day to withdraw
November 24 - 28 – Thanksgiving holidays, no class.

A note about this course:

Math 0303 will be taught on a 5-week cycle. After the first cycle, students will be given a test. If a student earns a passing grade of 70% or above, the student has completed the course. If not, the student will repeat the 5-week cycle and have another chance to take the exam. In total, each student will have 3 opportunities to pass the exam.

Test Dates:
Test 1 (first attempt): Thursday, September 30 (in class)
Test 2 (second attempt): Thursday, November 3 (in class)
Test 3 (third attempt): Thursday, December 11 at 12:30am

Course Material:
Here are the topics covered in this course during each 5-week cycle. The daily schedule is approximate and may change during the semester.

Week 1:

- 1.1 The Real Numbers
- 1.2 Operations, Percentages, and Decimals
- 1.3 Fractions

Week 2:

- 2.1 Lines
- 2.2 Distance
- 2.3 Absolute Value Equations

Week 3:

- 3.1 Inequalities
- 3.2 Word Problems
- 3.3 More Word Problems

Week 4:

- 4.1 Polynomials
- 4.2 Factorization
- 4.3 Solving Quadratic Equations

Week 5:

- 5.1 Exponents and Radicals
- Test

Calculator Policy: No calculators will be allowed in this course.

Policies: See https://www.uttyler.edu/offices/academicaffairs/files/syllabusinformation.pdf or the syllabus module on Canvas for many important University policies.

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For this course, all graded work must be done in person without the assistance of AI.