Instructor:
Dr. Robin Ragland

Office: RBN 4006

Email: rragland@uttyler.edu (Preferred method of communication is Canvas Inbox)

Office Hours: (Student Hours)
MWF 11:15am - 12:15pm

Class Schedule

TR 12:30pm - 1:50pm RBN 3035

Course Purpose and 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.

The prerequisite for this course is to be TSI-liable in math.

Learning Outcomes

At the conclusion of this course, you will be able to

1. 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.
2. Solve linear equations and inequalities, find equations of lines, and graph linear equations and inequalities.
3. Evaluate and graph functions and be able to analyze the graph of a function.
4. Demonstrate knowledge of exponent and radical rules by simplifying and rewriting algebraic expressions involving exponents and radicals.
5. Simplify and factor algebraic expressions involving polynomials and rational functions.

Grading Policies
This course is not credit-bearing. To get credit for the class a student must pass an Intermediate Algebra exam with a score of 70% or greater.

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 get credit for the class.

Make-ups

If you must miss an exam for any reason, please contact your instructor at least one week in advance. Make-up exams must be scheduled **before** the regularly scheduled exam. Exceptions for emergencies will be handled on a case-by-case basis.

Attendance

Class attendance is mandatory. If you want to do well in this class, you will need to attend every class meeting and come prepared with all the materials (pencil, paper, etc) that you will need for learning.

Calculator Policy

No calculators will be allowed in this class.

Cell Phones and other electronic devices

Please set your cell phones to silent mode. If you are expecting an emergency call, please notify your instructor in advance, sit near the door, and answer the phone outside. You will not be allowed to wear electronic devices (except hearing aids) during an exam. During exams, cell phones must be turned off and placed in sight on your desk.

Academic Dishonesty

Your work must be your own. Violations will be processed according to the established guidelines of the department, college, and university. Violations of academic integrity include, but are not limited to, cheating, fabrication, or plagiarizing. A range of academic sanctions may be taken against a student who engages in academic dishonesty. Below are ideas related to academic integrity.

Resources you are encouraged to utilize in this course include notes from class, your fellow Math 0303 students, the Math Learning Center, and your instructor. Email is the best way to contact me. I reply to emails from 9:00 A.M.– 4:00 P.M. Monday–Friday.

Exam Dates

First Exam Attempt: Tuesday, Sept. 23

Second Exam Attempt: Tuesday, Oct. 28

Third Exam Attempt: Thursday, Dec. 11, 12:30pm-2:30pm

Course Materials
Here are the topics covered in this course during each 5-week cycle.

1. Real numbers (basic operations)
2. Real line
3. Priority of operations
4. Percentage and decimals
5. Fractions (basic Operations)
6. Equation of the line (slope, y-intercept) and Graph
7. Midpoint, Distance, slope
8. Parallel and Perpendicular lines
9. Solving simple equations
10. Absolute value equations
11. Inequalities
12. Absolute value and inequalities word problems
13. Polynomials operations
14. Factorization
15. Solving Quadratic equations
16. Exponents and Radicals

A.I.
UT Tyler is committed to exploring an using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. Al uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and student must not use protected information, date, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

For this course, AI is not permitted at all. In order to get the most of this course, you must complete all assignments without the aid of any AI tools. Refrain from using AI tools to generate any course context (e.g., text, video, audio, images, code, etc.) for any assignment or classroom assignment.