Intermediate Algebra, MATH 0303, Sections 001
Fall 2025

Instructor: Jie Zeng
Office: RBN 4039
Email: jzeng@uttyler.edu

Course Schedule: MWF from 10:10 am -11:05 am in RBN 4032

Course Website: You MUST activate your Canvas account. To do so, go to `https://www.uttyler.edu/canvas/`. This is also the address to log in. If you are registered in the course, you already have access to the course. All important documents will be posted on Canvas.

Student Support Hours: W 1:30 pm-3:00 pm, TR 3:30 pm- 5:00 pm in RBN 4039 and by appointment arranged by email

Required Materials: No textbook is required. All materials will be posted on Canvas.

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.

Course Prerequisites: TSI-liable in math.

Course Outline: 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) Polynomials operations
(13) Factorization
(14) Solving Quadratic equations
(15) Exponents and Radicals

Student Learning Outcomes: By the end of this course, the successful Statistics student 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.
- Simplify and factor algebraic expressions involving polynomials and rational functions.

Grading: 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.

Attendance: It is your responsibility to attend class. Attendance is mandatory. This means, among other things, coming to class on time and prepared. Before class begins, you should silence cell phones and any other electronic devices. Students are responsible for all announcements made during a lecture.

Exams: Math 0303 will be taught on a 5-week cycle. After the first cycle, students will be given a one-hour test in this classroom during class. 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.

Exam 1: Friday, Sep 26
Exam 2: Friday, Oct 31
Exam 3: Friday, Dec 5

Electronic Devices: Even though you are encouraged to bring your electronic devices to the classroom, you must silence them before class begins. During quizzes and exams, your devices may NOT be in your chair or lap.

Calculators: The use of calculators and other electronic devices, including cell phones, during exams, is prohibited, so study accordingly.

AI Statement: You are allowed to use AI. UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All 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 students must not use protected information, data, 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 is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

Academic Integrity: 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 the textbook and unassigned problems, notes from class, assigned homework problems, your fellow students, the Math Learning Center, and your instructor. Email is the best way to contact me. I reply to email from 9:00 A.M.-4:00 P.M. Monday-Friday.

A note about a resource NOT allowed in this course: while the internet may be a valuable resource, using it to unethically acquire answers for your work will be considered a violation of academic integrity and processed accordingly. Similarly, copying answers from other students' assignments, past or present, violates the idea that your work must be your own.

Harassment, Bias, Discrimination:

NO TOLERANCE!

Check https://www.uttyler.edu/titleix/report-an-incident.php for more information.

University Policies: Monday, Sep 8 is this semester's Census Date, the deadline for all registrations, schedule changes, and section changes. Monday, Nov 3 is the last day to withdraw from one or more courses. For university policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Course Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University-Sponsored Events and Activities, Social Security and FERPA Statement, see the University Policies and Information file on this course's Canvas page.