

Math. 0303.003, Spring 2024 – Monday, Wednesday, Friday 10:10 – 11:05, RBN 3038

Nan Bailey, Office RBN 4009, nbailey@uttyler.edu

Office Hours 11:10 – 12:10 MW, 9-10 F

Monday Jan. 15	MLK Day
Wednesday Jan. 17	Unit 1: Operations on the Real Numbers and Unit 2: The Real Line
Friday Jan. 19	Unit 3: PEMDAS, the order of operations, Unit 4: Percentages and Decimals
Monday Jan. 22	Unit 5: Basic operations on fractions
Wednesday Jan. 24	Unit 6: Lines, equation, slope, y-intercept and graph
Friday Jan. 26	Unit 7: Midpoint, distance and slope
Monday Jan. 29	Unit 8: Parallel and perpendicular lines, Unit 9: Solving equations
Wednesday Jan. 31	Continue Unit 9, begin Unit 10: Absolute Value equations
Friday Feb. 2	Unit 11: Inequalities and Unit 12: Absolute value and inequalities word problems
Monday Feb. 5	Unit 13: Operations on polynomials
Wednesday Feb. 7	Unit 14: Factorization
Friday Feb. 9	Unit 15: Solving quadratic equations
Monday Feb. 12	Unit 16: Exponents and Radicals
Wednesday Feb. 14	Exam 1 (first attempt)
Friday Feb. 16	
Monday Feb. 19	
Wednesday Feb. 21	
Friday Feb. 23	
Monday Feb. 26	
Wednesday Feb. 28	
Friday March 1	
Monday March 4	
Wednesday March 6	
Friday March 8	

March 11 – 15 Spring Break

Monday March 18

Wednesday March 20

Friday March 22

Monday March 25

Wednesday March 27 Exam 2 (second attempt)

Friday March 29

Monday April 1

Wednesday April 3

Friday April 5

Monday April 8

Wednesday April 10

Friday April 12

Monday April 15

Wednesday April 17

Friday April 19

Monday April 22

Wednesday April 24

Friday April 26

Final Exam Wednesday May 1, 10:15 – 12:15

The first 5 weeks are mandatory for all students registered in this class, as is the first exam. The second 5 weeks are mandatory for all students who do not pass the first exam with a grade of 70% or better. The last 4 weeks are mandatory for the students who do not pass the second exam with a grade of 70% or better, and the final exam is their third chance to earn a grade of at least 70%.

This course is not credit-bearing, and it is open to all TSI-liable students. Your grade entry in Canvas will say either **Credit** or **No Credit** rather than a grade. Calculators are not allowed in this course. You will be given formula for: the quadratic formula, finding the midpoint, finding the distance between 2 points, and finding the slope of a line.

We will study the real number system, fractions, decimals, absolute values, percentages, comparisons, and proportional reasoning, signed numbers, solving linear equations and inequalities, and simplifying expressions and functions.

Jan. 29 is our Census Date, the last day to withdraw without penalty. See <https://www.uttyler.edu/academic-affairs/files/syllabuspolicy.pdf> for these important University policies: UT Tyler Honor code, student rights and responsibilities, campus carry, UT Tyler a tobacco-free university, grade replacement and forgiveness. State-mandated course drop policy, student accessibility and resources, student absence for university-sponsored events, social security and FERPA, emergency exits and evacuation, and student standards of academic conduct.

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.
- Simplify and factor algebraic expressions involving polynomials and rational functions.