Intermediate Algebra – Spring 2026

Math 0303.005

Instructor: Andrew Davis

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Class Time: Monday and Wednesday 5:40 pm -7:05 pm In RBN 4027

Office Hours: TR 5:00- 5:30 pm, MW 7:05-7:35 any other time by appointment.

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.

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

Course Evaluation: 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.

Class schedule

Date	
Monday Jan 12th	First 5-weeks cycle for all students registered in this class.
Monday Jan 19th	Martin Luther King
Monday Feb 16th	EXAM 1 (1ST attempt) Mandatory for all students. (in class)
Wednesday Feb 18th	Second weeks cycle start for those students who do not pass the exam 1(first attempt) with a satisfactory grade (70% or better).

Monday Mar 30th	EXAM 2 (2nd attempt). (In Class)
Monday April 1st	Third 5-weeks cycle start for those students who do not pass the exam 2 (second attempt) with a satisfactory grade (70% or better).
April 29th	EXAM 3 (3RD attempt)

Attendance: Make sure you attend class every day is very important for your success.

Course Material:

Here are the topics covered in this course during each 5-week cycle. This is tentative

Topics	Date covered first cycle
01 Real numbers (basic operations)	1/12
02 Real line	1/14
03 Priority of operations	1/14
04 Percentage and decimals	1/21
05 Fractions (basic Operations)	1/21

06 Equation of the line (slope, y-intercept) and Graph	1/26
07 Midpoint, Distance, slope	1/26
08 Parallel and Perpendicular lines	1/26
09 Solving simple equations.	1/28
10 Absolute value equations	1/28
11 Inequalities	2/2
12 Absolute value and inequalities word problems	2/2
13 Polynomials operations	2/4
14 Factorization	2/4
15 Solving Quadratic equations.	2/9
16 Exponents and Radicals	2/9
Review	2/11
Test	2/16

Classroom Policy

Please be respectful of the students around you at all times. This means that you should turn your cellular phones' ringers off, put your MP3 player away, and keep the classroom clear of distractions like unnecessary talking. Also, make sure you show up to class on time and stay the whole time.

Homework Policy:

homework will be given in the form of worksheets in modules in canvas. These worksheets will not be graded as passage of the course is entirely composed of passing the exit exam. I have also created a Khan academy class where students can get additional practice but will also not grade that work either. The Khan academy class code is 99U2GTUQ. It is upon the student to do the work and use it to study the material. Without doing the work the students will most likely not pass the exam.

Course Policy:

Any cheating on the exam will result with a zero on that exam. Forms of cheating include: copying of problems, use of an electronic device, and any form of communication with anyone other than your professor during the course of the exam.

University Policies For University policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Corse Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University Sponsored Events and Activities, and the Social Security and FERPA Statement please see: http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf

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Student Resources

University Policies and Information