

Developmental Mathematics (TMTH 0374)

CREDIT

3 Semester Credit Hours (3 hours lecture, 1 hours lab)

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

Must be co-enrolled in TMTH 0174 BASE NCBO (Mathematics).

COURSE DESCRIPTION

The course supports students in developing skills, strategies, and reasoning needed to succeed in mathematics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning, quantitative relationships; mathematical models; and problem solving.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to:

1. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.
2. Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.
3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.
4. Apply algebraic reasoning to manipulate expressions and equations to solve real world problems.
5. Use graphs, tables, and technology to analyze, interpret, and compare data sets.
6. Construct and use mathematics models in verbal, algebraic, graphical and tabular form to solve problems in a variety of contexts and to make predictions and decisions.



**LAMAR INSTITUTE
OF TECHNOLOGY**

INSTRUCTOR CONTACT INFORMATION

Instructor: Larry D. Gregory, Jr.

Email: Ldgregory@lit.edu

Office Phone: 409-549-0228

Office Location: Online

Office Hours: Made by Appointment

REQUIRED TEXTBOOK AND MATERIALS

1. ALEKS will be your source for your online E-Book as well as where you complete your homework and tests.
2. Approved recommended calculators by individual course instructor.

ATTENDANCE POLICY

Attendance is required, online students should login and work on assignments 2-3 times per week, minimum.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified date as listed in the College Calendar on the [Student Success](#) web page. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

COURSE CALENDAR

TMTH 0374 Fall 2026 Late Start			
Section	Assignment	Due Date	Completed
1.1	Introduction to Whole Numbers	10/4/2026	
1.2	Addition and Subtraction of Whole Numbers and Perimeter	10/4/2026	
1.3	Rounding and Estimating	10/4/2026	
1.4	Multiplication of Whole Numbers and Area	10/4/2026	
1.5	Division of Whole Numbers	10/4/2026	
1.6	Exponents, Algebraic Expressions, and Order of Operations	10/4/2026	
1.7	Mixed Applications and Computing Mean	10/4/2026	
	Test #1	10/4/2026	
2.1	Integers, Absolute Value, and Opposites	10/11/2026	
2.2	Addition of Integers	10/11/2026	
2.3	Subtraction of Integers	10/11/2026	
2.4	Multiplication and Division of Integers	10/11/2026	
2.5	Order of Operations and Algebraic Expressions	10/11/2026	
	Test #2	10/11/2026	
3.1	Simplifying Expressions and Combining Like Terms	10/18/2026	
3.2	Addition and Subtraction Properties of Equality	10/18/2026	
3.3	Multiplication and Division Properties of Equality	10/18/2026	
3.4	Solving Equations with Multiple Steps	10/18/2026	
3.5	Applications and Problems Solving	10/18/2026	
	Test #3	10/18/2026	
4.1	Introduction to Fractions and Whole Numbers	10/25/2026	
4.2	Simplifying Fractions	10/25/2026	
4.3	Multiplication and Division of Fractions	10/25/2026	
4.4	Least Common Multiple and Equivalent Fractions	10/25/2026	
4.5	Addition and Subtraction of Fractions	10/25/2026	
4.6	Estimation and Operations on Mixed Numbers	10/25/2026	
4.7	Order of Operations	10/25/2026	
4.8	Solving Equations containing Fractions	10/25/2026	
	Test #4	10/25/2026	
5.1	Decimal Notation and Rounding	11/1/2026	
5.5	Fractions, Decimals, and Order of Operations	11/1/2026	
5.6	Solving Equations containing Decimals	11/1/2026	
6.1	Ratios	11/1/2026	
6.2	Rates and Unit Cost	11/1/2026	
6.3	Proportions	11/1/2026	
6.4	Applications of Proportions and Similar Figures	11/1/2026	
	Test #5	11/1/2026	

7.1	Percents, Fractions, and Decimals	11/15/2026	
7.2	Percent Proportions and Applications	11/15/2026	
7.3	Percent Equations and Applications	11/15/2026	
7.4	Applications of Sales Tax, Commisions, Percent Increase and Decrease	11/15/2026	
7.5	Simple Interest	11/15/2026	
	Test #6	11/15/2026	
9.1	Tables, Bar Graphs, Pictographs, and Line Graphs	12/6/2026	
9.2	Frequency Distributions and Histograms	12/6/2026	
9.3	Circle Graphs	12/6/2026	
9.4	Introduction to Probability	12/6/2026	
9.5	Mean, Median, and Mode	12/6/2026	
	Test #7	12/6/2026	

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

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Test	60%
Course Assignments	40%

GRADE SCALE

90 – 100	DA
80 – 89	DB
70 – 79	DC
0 – 69	DF

LIT does not use +/- grading scales

TECHNICAL REQUIREMENTS

For the latest technical requirements, including hardware, compatible browsers, operating systems, etc., review the Minimum Computer and Equipment Requirements on the [LIT Online Experience](#) page. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with

faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

Math AI Policy

- No AI tools, apps, software, etc. are to be used on any work that is scored, graded, assessed, etc.
 - This includes all homework, exams, tests, projects, assessments, quizzes, discussions, etc.
- Failure to follow these guidelines (as deemed by the instructor) may be considered academic dishonesty and will be managed by instructor discretion or for exams, the Math testing policy.

Math Testing Policy

- All online Math courses will use Respondus Lockdown Browser and Monitor. This means students will be recorded when taking exams and will need a webcam and microphone.
- If a student is suspected of cheating, such as with AI use or other cheating methods, the student will be given a zero on the exam. The student will have one week of being notified to have a meeting with the instructor either face to face in the instructor's office or through an online method through such means as Microsoft Teams or Zoom. During this meeting, the student may be asked to work out problems or even the entire test in front of the instructor to adjust the student's grade.
- If the student is caught using AI or the student fails to meet with instructor within one week of notification or the student is unable to complete the work on the exam with instructor present, a zero will be given for that exam or assignment, and there will be no opportunity for a redo.
- For tests, you may use a calculator and scratch paper.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION

1. Disruptive or disrespectful behavior of any kind during class will not be tolerated.
2. All cellphones and other electronic devices should be turned off during class. Failure to do so may result in an absence. **During exams, phones should not even be visible!**
3. Course syllabus and information, including test grades, can be found on Blackboard. Homework assignments and grades can be found in ALEKS. Your average will be found in ALEKS.
4. Communication is key. If you have something come up that I need to know about, please let me know. I am a very understanding person. Please text or call me if you have any issues. If I need to make adjustments in due dates as a class, I will do my best to accommodate everyone to the best of my ability.