

Fall 2026

as of: 08/22/26

Intermediate Algebra (TMTH 0375)

BASE NCBO (TMTH 0165)

CREDIT

TMTH 0375

3 Semester Credit Hours (3 hours lecture)

TMTH 0165

1 Semester Credit Hours (1 hour lab)



**LAMAR INSTITUTE
OF TECHNOLOGY**

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

Must be co-enrolled in TMTH 0165 BASE NCBO (Algebra)

COURSE DESCRIPTION

A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations.

COURSE OBJECTIVES

Upon successful completion of this course, students will:

1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
6. Model, interpret, and justify mathematical ideas and concepts using multiple representations.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines.

INSTRUCTOR CONTACT INFORMATION

Instructor: Jamie Barron

Office Phone: Note that I do not have access to an office phone line.

Contact me through the Messages tab in Blackboard.

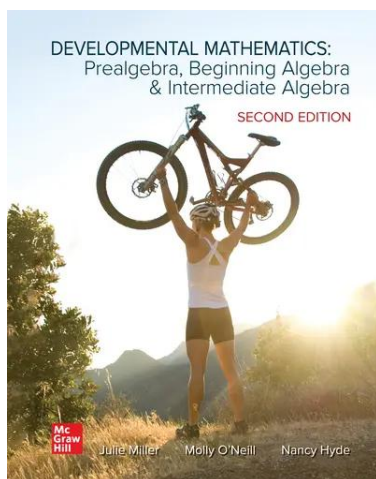
Office Hours: Virtual - contact me through the Messages tab on Blackboard

Email: *****Communication for the course will be through the Messages tab on Blackboard*****

Only email the instructor if you do NOT have access to Blackboard:

jhbarron@lit.edu

REQUIRED TEXTBOOK AND MATERIALS



ALEKS Developmental Mathematics. *Physical textbook not required. Online **subscription to ALEKS is required** and comes with eBook. This is included in the ELE bundle, or you may purchase subscriptions directly from ALEKS.*

If opted out Aleks subscriptions vary, 6-month \$99.95

Materials:

A basic scientific calculator.

A binder, notebook paper, a folder, pencils, and erasers.

Optional: highlighters

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.

ADDITIONAL COURSE POLICIES/INFORMATION

Check Blackboard OFTEN for Announcements and due dates.

Late work will **NOT be accepted**.

Extra credit is **NOT available** for this course.

- This is an online course – all assignments (except for the Final Exam) are open from the first day of class until the due date. Work ahead, but do not fall behind.
- It is the student’s responsibility to make sure all technology is working (including the device and internet/Wi-Fi) and have a backup plan in case issues arise.
- Due dates will NOT be extended due to falling behind, traveling, technical issues (unless it is an established issue with Blackboard or McGraw Hill/ALEKS – then students will be notified of the issues through Announcements in Blackboard).
- If you have an emergency (hospital, death in the family, etc.) you **MUST** send the instructor documentation through the Messages tab on Blackboard. The instructor will then make a determination on extra time.

Note that the instructor does not have a physical office at Lamar Institute of Technology.

- Contact the instructor through the Messages tab on Blackboard (**NOT by email**).
- The Instructor will respond within 24 hours (48 hours if it is the weekend).

Virtual office hours are by appointment only.

COURSE CALENDAR *dates are subject to change*

TMTH 0375/0165 ASSIGNMENTS and TESTS	DUE DATE
10.1 Addition, Subtraction, Multiplication, and Division Properties	WEDNESDAY 9/30/26 at 11:59pm
10.2 Solving Linear Equations	
10.3 Linear Equations: Fractions and Decimals	
10.4 Applications of Linear Equations	WEDNESDAY 10/7/26 at 11:59pm
10.8 Linear Inequalities	
13.1 Multiplying and Dividing Expressions w/Common Bases	
13.2 More Properties of Exponents	WEDNESDAY 10/14/26 at 11:59pm
13.3 Definitions of b^0 and b^{-n}	
13.5 Addition and Subtraction of Polynomials	
13.6 Multiplication of Polynomials (Special Products)	
13.7 Division of Polynomials	WEDNESDAY 10/21/26 at 11:59pm
Module 1 Test	
14.1 Greatest Common Factor, Factor by Grouping	
14.2 Factoring Trinomials of the Form $x^2 + bx + c$	
14.4 Factoring Trinomials AC Method	WEDNESDAY 10/28/26 at 11:59pm
14.5 Difference of Squares and Perfect Square Trinomials	
15.1 Rational Expressions	
15.3 Least Common Denominator	
15.4 Addition and Subtraction of Rational Expressions	WEDNESDAY 11/4/26 at 11:59pm
15.5 Complex Fractions	
15.6 Rational Equations	
16.1 Introduction to Relations	
Module 2 Test	WEDNESDAY 11/11/26 at 11:59pm
16.2 Introduction to Functions	
16.3 Graphs of Functions	
17.1 Compound Inequalities	
17.3 Absolute Value Equations	WEDNESDAY 11/18/26 at 11:59pm
17.4 Absolute Value Inequalities	
18.2 Rational Exponents	
18.3 Simplifying Radical Expressions	
18.4 Addition and Subtraction of Radicals	WEDNESDAY 11/25/26 at 11:59pm
18.5 Multiplication of Radicals	
18.6 Division of Radicals and Rationalization	
Module 3 Test	WEDNESDAY 12/2/26 at 11:59pm
18.7 Solving Radical Equations	
18.8 Complex Numbers	
19.1 Square Root Property and Completing the Square	
19.2 Quadratic Formula	MONDAY 12/9/26 at 11:59pm
Final Review	
Final Exam	

COURSE EVALUATION for Intermediate Algebra (TMTH 0375)

Final grades will be calculated according to the following criteria:

- Test 60%
- Final Exam 20%
- Assignments 20%

GRADE SCALE

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

COURSE EVALUATION for TMTH 0165

Final grades will be calculated according to the following criteria:

- Final grades will be calculated according to the following criteria:
 - If a final class grade of DA, DB, or DC is earned in TMTH 0375, then a grade of S (Satisfactory) will be earned in TMTH 0165.
 - If a final class grade of DF is earned in TMTH 0375, then a grade of U (Unsatisfactory) will be earned in TMTH 0165

GRADE SCALE

- 70-100 S
- 0-69 U

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.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

TECHNICAL ASSISTANCE:

- For technical issues - helpdesk@lit.edu (409) 839-2074
- For online academic concerns - distanced@lit.edu (409) 880-7432
- McGraw Hill/ALEKS - <https://www.aleks.com/support/form/webmaster>

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.

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at <http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty>.