

Intermediate Algebra (TMTH-0375) Online

CRN: 90734

CREDIT

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

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

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

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.



**LAMAR INSTITUTE
OF TECHNOLOGY**

INSTRUCTOR CONTACT INFORMATION

Instructor: Irma Moulton

Email: ilmoulton@lit.edu

Office Phone: N/A

Office Location: Technology Center, Room 104

Office Hours: Tuesdays 5:00 PM – 5:30 PM

REQUIRED TEXTBOOK AND MATERIALS

1. MyMathLab (MML) access code – Access Code will be located in **LIT Eagle Learning Essentials** link or if you opted out of Textbook Rentals, then you must Purchase directly from the MyMathLab course online linked with Blackboard.
2. You will need at least a basic 6-function calculator. A scientific calculator will also be fine. ****Cell phones and Graphing Calculators are NOT allowed in this class. ****

ATTENDANCE POLICY

Online classes do not attend class but are expected to login to blackboard **at least four times a week and complete assignments in MyMathLab prior to due date.**

DROP POLICY

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

Course Schedule

Week	Material Covered	What is Due
1	Module 1 Real Numbers and Introduction to Algebraic Expressions Parts 1-3	Synchronous Class Meeting # 1
2	Module 1 Parts 4-6	Course Introductions
3	Module 2 Solving Equations and Inequalities (Linear and Absolute Value) Parts 1 -5	Netiquette and MyMathLab Orientation Assignment All Module 1 Assignments Module 1 Test
4	Module 2 Parts 6-9	
5	Module 3 Introduction to Polynomials Parts 1-3	ALL Module 2 Assignments Module 2 Test
6	Module 3 Parts 4 and 5	
7	Module 4 Factoring Parts 1-3	All Module 3 Assignments

		Module 3 Test
8	Module 4 Parts 4-6	
9	Module 5 Rational Expressions and Equations Parts 1-3	Synchronous Class Meeting #2 ALL Module 4 Assignments Due Module 4 Test
10	Module 5 Parts 4-6	
11	Module 6 Radical Expressions and Equations Parts 1-4	ALL Module 5 Assignments Module 5 Test
12	Module 6 Parts 5-7	
13	Module 7 Quadratic Equations and Complex Numbers Parts 1 and 2	ALL Module 6 Assignments Module 6 Test
14	Module 7 Parts 3 and 4	Synchronous Meeting #3
15	Module 8 Functions Parts 1-3	ALL Module 7 Assignments Module 7 Test
16	Module 8 Parts 4 and 5	ALL Module 8 Assignments Module 8 Test

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Online Tests 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

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at <https://lit.edu/online-learning/online-learning-minimum-computer-requirements>. 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.

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

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

STUDENT EXPECTED TIME REQUIREMENT

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid

students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

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>.

Due Dates for TMTH 0375

What is Due	Location	Due Date
Discussion Board Course Introductions	BlackBoard	Monday, August 28
Participation Quiz Week 1	BlackBoard	Monday, August 28
Online Contract	MyMathLab	Monday, September 4
Developmental Contract	MyMathLab	Monday, September 4
Netiquette and MyMathLab Orientation Assignment	MyMathLab	Monday, September 4
Practice Test	MyMathLab	Monday, September 4
Participation Quiz Week 2	BlackBoard	Monday, September 4
All Module 1 Assignments	MyMathLab	Monday, September 4
Module 1 Test	MyMathLab	Tuesday, September 5
Participation Quiz Week 3	BlackBoard	Monday, September 11
Participation Quiz Week 4	BlackBoard	Monday, September 18
All Module 2 Assignments	MyMathLab	Monday, September 18
Module 2 Test	MyMathLab	Tuesday, September 19
Participation Quiz Week 5	BlackBoard	Monday, September 25
Participation Quiz Week 6	BlackBoard	Monday, October 2
All Module 3 Assignments	MyMathLab	Monday, October 2
Module 3 Test	MyMathLab	Tuesday, October 3
Participation Quiz Week 7	BlackBoard	Monday, October 9
Participation Quiz Week 8	BlackBoard	Monday, October 16
All Module 4 Assignments	MyMathLab	Monday, October 16
Module 4 Test	MyMathLab	Tuesday, October 17
Participation Quiz Week 9	BlackBoard	Monday, October 23
Participation Quiz Week 10	BlackBoard	Monday, October 30
All Module 5 Assignments	MyMathLab	Monday, October 30

Module 5 Test	MyMathLab	Tuesday, October 31
Participation Quiz Week 11	BlackBoard	Monday, November 6
Participation Quiz Week 12	BlackBoard	Monday, November 13
All Module 6 Assignments	MyMathLab	Monday, November 13
Module 6 Test	MyMathLab	Tuesday, November 14
Participation Quiz Week 13	BlackBoard	Monday, November 20
Participation Quiz Week 14	BlackBoard	Monday, November 27
All Module 7/8/9 Assignments	MyMathLab	Wednesday, November 29
Module 7/8/9 Test	MyMathLab	Thursday, November 30
Work for the Module 7/8/9 Test	BlackBoard	Noon , Friday, December 1
Participation Quiz Week 15	BlackBoard	Noon , Friday, December 1