Intermediate Algebra (TMTH 0375-3C1)

INSTRUCTOR CONTACT INFORMATION

Instructor: Widad Abedelwahab

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Office Phone: (409)241-7873

Office Location: Building T5 Room 106

Office Hours: M: 4:30 pm – 5:30 pm, 6:30 pm – 7:30 pm
TR: 8:00 am – 9:30 am
T: 12:30 pm - 1:30 pm
W: 8:00 am 10:00 am
F: 8:00 am – 10:00 am

CREDIT

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

MODE OF INSTRUCTION

Fully Online

PREREQUISITE/CO-REQUISITE:

Must be co-enrolled in TMTH 0165-2B1 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 completion of this course, the student will be able to

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.

Approved: Initials/date

Fall 2025

REQUIRED TEXTBOOK AND MATERIALS

1. 1. MyMathLab stand alone. (More information on blackboard)

Access to MyMathLab is available through the Eagle Learning Essentials (ELE) program at $14 per credit hour added to your student account. Students may opt out of this program if they do not wish to participate in it. For more information, please go to:

https://www.lit.edu/student-success/eagle-learning-essentials.

2. A basic scientific calculator

ATTENDANCE POLICY

1. You should attend the class every Tuesday and Thursday.
2. Check messages and announcements on blackboard.
3. You will be required to sign a sign-in sheet at the beginning of each class period. **If you do not sign in, you will be marked absent.**
4. If you are more than 15 minutes late for class, you will be marked Tardy and will not be allowed to sign in.
5. If you are more than 30 minutes late for class, you will be marked absent.
6. In this class, attendance and participation during the class period (e.g., taking notes, taking tests, or completing any other activity assigned by me), student will earn 100points for that day.
7. Students who miss class, sleep in class, social network or text in class, or do not take notes or exams will receive a grade of 0 for the day.
8. Absences due to a valid reason will be excused only if the student provides written documentation.

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 working on the assignments and fail to drop the course, you will earn an "F" in the course.

STUDENT EXPECTED TIME REQUIREMENT

For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week.

Course Requirements

1. The student must purchase all of the required course materials.
2. The student will be expected to have access to the Internet and a computer with webcam and microphone.
3. Blackboard logon and access to course a minimum of four times per week.
4. Additional course requirements on blackboard.
5. Students should read all the information under the home page and class information tab on blackboard before starting on the first week assignments.

COURSE CALENDAR—Subject to Change. Please see Blackboard and your MyMathLab account for the most recent due dates.

COURSE CALENDAR

Week	TOPIC	ASSIGNMENTS (Due on this Date)
Week 1	Course introduction and policies Module 1: Introduction to Real Numbers and Algebraic Expressions	The due dates on blackboard under weekly assignments. Work on the first week assignments
Week 2	Module 1: Introduction to Real Numbers and Algebraic Expressions	Work on Module 1
Week 3	Module 1 Test Module 2: Solving Equations and Inequalities	On MyMathLab: work on module 1 assignments
Week 4	Module 2: Solving Equations and Inequalities Module 2 Test	Work on module 2
Week 5	Module 3: Polynomials	On MyMathLab: work on module 3 assignments and take the test. Start
Week 6	Module 3: Polynomials Module 3 Test	On MyMathLab: Work on module 3 assignments
Week 7	Module 4: Factoring	On MyMathLab: work on module 4 assignments
Week 8	Module 4: Factoring Module 4 Test	Work on module 4
Week 9	Module 5: Rational Expressions and Equation	On MyMathLab: work on module 5 assignments
Week 10	Module 5: Rational Expressions and Equations Module 5 Test	Work on Module 5
Week 11	Module 6: Radical Expressions and Equations	On MyMathLab: work on module 6 assignments
Week 12	Module 6: Radical Expressions and Equations Module 6 Test	Work on module 6
Week 13	Module 7: Complex Numbers Module 8: Quadratic Equations	On MyMathLab: work on module 7 assignments
Week 14	Module 8: Quadratic Equations	Work on module 8
Week 15	Module 9: Functions Module(7, 8 & 9) Test	Work on Module 9 MyMathLab Module 7/8/9 assignments
Week 16	The Final Exam	

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Online Exams 60%

Course Assignments (Including Core Assessment) 40%

(Chapter tests will be taken on MyMathLab using Respondus Lockdown Browser)
More information on blackboard under testing information tab and MyMathLab information tabs.

GRADE SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 f
- 0-59 F

LIT does not use +/- grading scales

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.

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.

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. **Attend the class every Tuesday and Thursday**
2. **The tests will be given during class time.**
3. **If you know you will miss a test. Let me know to take the test before giving the test in class.**
4. **Dishonesty: If the student caught cheating will face consequences:**
    a. **First time a grade of zero will be given to the student until student re-take the test in my office and shows all the work**
    b. **Second time a grade of zero will be given.**
    c. **Third time the student will be given F in the course.**
5. No food, drinks, or use of tobacco products in class.
6. Laptops, telephones, and any other electronic devices must be turned off during class.
7. **We communicate using the office phone number, during office hours, announcements, emails (Please use LIT email. I do not respond to personal emails)**