# Intermediate Algebra (TMTH 0375-2B1) Online

**INSTRUCTOR CONTACT INFORMATION**

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|---|---|
| Instructor: | Widad Abedelwahab |
| Email: | whabedelwahab@lit.edu |
| Office Phone: | (409)241-7873 |
| Office Location: | Building T5 Room 106 |
| Office Hours: | M 9:00 am – 11:00 am,  12:00 pm – 1:00 pm |
|  | T  9:00 am – 11:00 am |
|  | W  9:00 am – 11:00 am |
|  | R  9:00 am – 11:00 am,  2:00 pm – 3:00 pm |

**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

**REQUIRED TEXTBOOK AND MATERIALS**

1. MyMathLab Standalone Access Code

   a. May be purchased online at **www.mymathlab.com**

   b. May be purchased at a local bookstore:
       18 Week Standalone Access Card: 9780136483151
       24 Month Standalone Access Card: 9780135189849

2. A basic scientific calculator: *please check with your individual instructor as to the specific type of calculator required. You are not allowed to use a graphical calculator.*

**ATTENDANCE POLICY**

You should be able to log in to blackboard at least 4 hours a week to check for announcements and go to MyMathLab to work on the assignments.

**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 Jan 16 – Jan 22 | 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 Jan 23 – Jan 29 | Module 1: Introduction to Real Numbers and Algebraic Expressions | Work on Module 1 |
| Week 3 Jan 30 – Feb 5 | Module 2: Solving Equations and Inequalities | On MyMathLab: work on module 1 assignments and take the test. Start on Module 2 |
| Week 4 Feb 6 – Feb 12 | Module 2: Solving Equations and Inequalities | Work on module 2 |
| Week 5 Feb 13 – Feb 19 | Module 3: Polynomials | On MyMathLab: work on module 2 assignments and take the test. Start on Module 3 |
| Week 6 Feb 20 – Feb 26 | Module 3: Polynomials | Work on module 3 |
| Week 7 Feb 27-March 5 | Module 4: Factoring | On MyMathLab: work on module 3 assignments and take the test. Start on Module 4 |
| Week 8 March 6 – 10 | Module 4: Factoring | Work on module 4 |
| Week 9 March 20 – 26 | Module 5: Rational Expressions and Equation | On MyMathLab: work on module 4 assignments and take the test. Start on Module 5 |
| Week 10 March 27-Apr 2 | Module 5: Rational Expressions and Equations | Work on Module 5 |
| Week 11 April 3 – 9 | Module 6: Radical Expressions and Equations | On MyMathLab: work on module 5 assignments and take the test. Start on Module 6 |
| Week 12 April 10 – 16 | Module 6: Radical Expressions and Equations | Work on module 6 |
| Week 13 April 17 – 23 | Module 7: Complex Numbers Module 8: Quadratic Equations | On MyMathLab work on module 6 assignments and take the test. Start on Module 7 |
| Week 14 April 24 – 30 | Module 8: Quadratic Equations | Work on module 8 |
| Week 15 May 1 - 5 | Module 9: Functions | Work on Module 9 MyMathLab Module 7/8/9 assignments MyMathLab Module 7/8/9 Test |
| | The Final submission with penalty for late assignments is May 5th at 5:00 pm | |

**COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

<span style="color:red">Online Exams      60%</span>

<span style="color:red">Course Assignments (Including Core Assessment)     40%</span>

(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](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**
**Read all the information under the home page on blackboard.**
**Follow the instructions.**
**If you have any questions or you need help you can call me on my office phone number listed on the syllabus.**
**We communicate using the office phone number, announcements, emails (Please use LIT email. I do not respond to personal emails)**