

Developmental Mathematics (TMTH 0374-3C1)

INSTRUCTOR CONTACT INFORMATION

Instructor: **Widad Abedelwahab**

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Office Phone: **(409)241-7873**

Office Location: **Building T5 Room 106**

Office Hours: M 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



**LAMAR INSTITUTE
OF TECHNOLOGY**

CREDIT

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

MODE OF INSTRUCTION

Face to Face

PREREQUISITE/CO-REQUISITE:

A TSI score less than 936.

This class must be taken in conjunction with TMTH 0174-3C1.

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.

Approved: **Initials/date**

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.

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:
ISBN 9780135910269---- 18 Weeks
ISBN 9780135189962---- 24 Months
2. A basic six-function calculator (+, −, ÷, x, √, %)
You are not allowed to use a graphical calculator.

ATTENDANCE POLICY

This course is face to face. Class meets on Tuesday and Thursday. I will be taking attendance every class. If you know you miss class you should email me.

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 4 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.

Students will be given assignments calendar in class. I will announce the due dates in class every Monday. See MyMathLab account for the due dates and Weekly assignments on blackboard..

The Due dates subject to change.

COURSE CALENDAR

Week	TOPIC	ASSIGNMENTS (Due on this Date)
Week 1 Jan 16 – Jan 22	Course introduction and policies. Module 1: Whole Numbers Part 1, 2 and 3	Submit the first week assignments On MML: Work on Module 1 assignments The Due date will be given in class, on MML and Blackboard
Week 2 Jan 23 – Jan 29	Module 1: Part 4, 5 and 6	On MML Work on the assignments And module 1 test review
Week 3 Jan 30 – Feb 5	Module 1 test will be given in class Module 2: Fraction Notation Part 1, 2 and 3	On MML: Work on module 2 assignments
Week 4 Feb 6 – Feb 12	Module 2: Fraction Notation Part 4, 5, 6 and 7	On MML: Work on the assignments and module 2 test review
Week 5 Feb 13 – Feb 19	Module 2 Test in class Module 3: Decimal Notation Part 1, 2, and 3	On MML: work on module 3 assignments.
Week 6 Feb 20 – Feb 26	Module 3: Decimal Notation Part 4, and 5	On MML: Work on module 3 assignments and module 3 test review.
Week 7 Feb 27-March 5	Module 3 Test in class Module 4: Percent Notation Part 1, 2, 3, 4 and 5	On MML: work on module 4 assignments and module 4 test review
Week 8 March 6 – 10	Module 4 Test in class Module 5: Statistics Part 1, and 2	On MML: work on Module 5 assignments
	Spring Break	
Week 9 March 20 – 26	Module 5: Statistics Part 3, 4 and the activity assignment	On MML: work on module 5 assignments and module 5 test review
Week 10 March 27-Apr 2	Module 5 Test in class Module 7: The Real Numbers Part 1, and 2	ON MML: Work on module 7 assignments
Week 11 April 3 – 9	Module 7: The Real Numbers Part 3, 4, 5 and 6	On MML: work module 7 assignments.
Week 12 April 10 – 16	Module 7: The Real Numbers Part 7, 8, 9 and 10	On MML: work module 7 assignments and module 7 test review
Week 13 April 17 – 23	Module 7 Test Module 8: Solving Equations Part 1, 2 and 3	On MML: work module 8 assignments

Week 14 April 24 – 30	Module 8: Solving Equations Part 4 and applications	On MML: work on module 8 assignments and module 8 test review
Week 15 May 1 - 5	Module 8 Test Final Review	On MML: work on final exam review
Week 16	Final Exam	

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Tests 60%
- Comprehensive Final Exam 10%
- Course Assignments (including Core Assignment) 20%
- Participation 10%

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

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. You can come to my office during office hours.

Please use LIT email. I do not respond to personal emails.