

Contemporary Math (MATH 1332-1A1)  
Advanced Developmental (TMTH 0232-1A1)

**INSTRUCTOR CONTACT INFORMATION**

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



**LAMAR INSTITUTE  
OF TECHNOLOGY**

**CREDIT**

**MATH 1332 is 3** Semester Credit Hours (3 hours lecture, 2 hours review course)

TMTH 0232 is 2 Semester Credit Hours

**MODE OF INSTRUCTION**

**Hybrid**

We Meet Monday and Tuesday. You watch lecture video and home assignments on Wednesday and Thursday.

**PREREQUISITE/CO-REQUISITE:**

A score of 936 – 949 with diagnostic less than 6.

This class must be taken in conjunction with TMTH 0232-1A1.

**COURSE DESCRIPTION**

Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded throughout the course. Additional topics may be covered.

**COURSE OBJECTIVES**

Upon completion of this course, the student will be able to

1. Apply the language and notation of sets.
2. Determine the validity of an argument or statement and provide mathematical evidence.
3. Solve problems in mathematics of finance.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.

Approved: **Initials/date**

6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement.

### **Core Objectives**

1. Critical Thinking Skills: To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
2. Communication Skills: To include effective development, interpretation and expression of ideas through written, oral, and visual communication.
3. Empirical and Quantitative Skills: To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

### **REQUIRED TEXTBOOK AND MATERIALS**

1. MyMathLab Standalone Access Code
  - a. May be purchased online at [www.mymathlab.com](http://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 a hybrid course. We will meet face to face on Monday and Tuesday and will be online on Wednesday and Thursday. I will be taking attendance in class. If you can not attend the class you should come to campus to take the tests.

### **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.

**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. TMTH 0232 Module 1: Whole Numbers Chapter 5: Prime numbers and composite numbers. GCF and LCM Chapter 6: The Real Numbers	Work on the first week assignments. Enroll in MML. Watch lecture video on blackboard. Work on TMTH 0232 MML assignments. More instructions will be given in class.
Week 2 Jan 23 – Jan 29	Module 2: The Fraction Notation Chapter 6: The Real Numbers	On MML Work on TMTH 0232 and watch lecture videos on blackboard.
Week 3 Jan 30 – Feb 5	Module 3: Decimal Notation Chapter 6: The Real Numbers	On MML: Work on TMTH 0232 and watch lecture videos on blackboard.
Week 4 Feb 6 – Feb 12	Module 4: Percent Notation Chapter 7: Proportions	On MML: Work on TMTH 0232 assignments and watch lecture videos on blackboard.
Week 5 Feb 13 – Feb 19	Module 7: The Real Numbers Chapter 6: The Real Numbers Chapter 5/6/7 test	On MML: work on TMTH 0232 assignments. On MML: Work on Test # 1 Review
Week 6 Feb 20 – Feb 26	Chapter 2: The Real Concepts of Set Theory	On MML: Work on MATH 1332 assignments and watch the lecture video
Week 7 Feb 27-March 5	Chapter 2: The Real Concepts of Set Theory Chapter 2 Test	On MML: work on MATH 1332 assignments. Start on Chapter 3
Week 8 March 6 – 10	Chapter 3: Introduction to Logic	On MML: work on MATH 1332 assignments.
Week 9 March 20 – 26	Chapter 3 Test Chapter 10: Counting Methods	On MML: work on MATH 1332 assignments.
Week 10 March 27-Apr 2	Chapter 10 Test Chapter 11: Probability	ON MML: Math 1332 start on chapter 11
Week 11 April 3 – 9	Chapter 11: Probability	On MML: work on MATH 1332 assignments.
Week 12 April 10 – 16	Chapter 11 Test Module 5: Statistics Chapter 12: Statistics	On blackboard: Watch the lecture video and fill in the worksheets ON MML: work on TMTH0232 and MATH 1332 assignments
Week 13 April 17 – 23	Module 5: Statistics Chapter 12: Statistics	On blackboard: Watch the lecture video and fill in the worksheets

		ON MML: work on TMTH0232 and MATH 1332 assignments
Week 14 April 24 – 30	Chapter 12 Test Chapter 13: Personal Financial Management	On MML: work on MATH 1332 assignments
Week 15 May 1 - 5	Chapter 13 Test	Work on MML assignments.
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 D
- 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](mailto: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](http://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.**