

Contemporary Mathematics MATH 1332-2AO

INSTRUCTOR CONTACT INFORMATION

Instructor: **Widad Abedelwahab**

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

Office Location: **TA5 106**

Office Hours: **Virtual by appointment/I will have virtual meeting the day before
The test (I will send message to remind you about the time.**



**LAMAR INSTITUTE
OF TECHNOLOGY**

CREDIT

3 Semester Credit Hours (3 hours lecture)

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

A score of 950 or above on the TSI-Assessment placement test or a "C" or better in TMTM 0374.

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. *This course is time-bound, structured, and online.*

COURSE OBJECTIVES

Upon successful completion of this course, students will:

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.
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.

Approved: **Initials/date**

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
 - b. May be purchased at a local bookstore:
ISBN 9780135910269---- 18 Weeks
ISBN 9780135189962---- 24 Months
2. A basic six-function calculator (+, −, ÷, ×, √, %) with a ± key

Course Requirements

1. The student must purchase all required course materials.
2. The student will be expected to have access to the Internet and a computer.
3. The student will logon and access the course a minimum of four times per week.
4. Students are required to complete a mid-term and final on the Lamar Institute of Technology campus. The dates, times, and locations of these exams will be provided to the students at the beginning of the semester.
5. Additional course requirements as defined by the individual course instructor.

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.

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.

COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
Week 1	Read the information on blackboard under: *The home page *Class Information *MyMathLab Information *Testing Information Print the test and assignments calendar Enroll in MML Start on chapter 2.		All the due dates listed under the Test and Assignments calendar. You find it on blackboard under Home Page and Class Information
Week 2	Chapter 2 Chapter 2 test		
Week 3	Chapter 3		
Week 4	Chapter 3 Chapter 3 test Chapter 5 Chapter 5 test		
Week 5	Chapter 6		
Week 6	Chapter 6 Chapter 6 and 7 test		
Week 7	Chapter 10 Chapter 10 test		
Week 8	Chapter 11 Chapter 11 test The Core Objective Activity		
Week 9	Chapter 12 Chapter 12 test		
Week 10	Chapter 13 and chapter 15 Chapter 13 test		The final submission with 10% penalty for late assignments is Aug. 15 th , 2024 at 11:00 pm

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Tests 60%
- Assignments on MML 40%

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. 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

All the information on blackboard