

## Contemporary (MATH 1332-3A1)

### INSTRUCTOR CONTACT INFORMATION

Instructor: **Widad Abedelwahab**  
Email: **whabedelwahab@lit.edu**  
Office Phone: **(409)241-7873**  
Office Location: **Building T5 Room 106**



**LAMAR INSTITUTE  
OF TECHNOLOGY**

Office Hours: M: 4:30 pm – 5:30 pm, 6:30 pm – 7:30 pm

T: 8:00 am – 9:30 am , 12:30 pm - 1:30 pm

W: 8:00 am 10:00 am

R: 8:00 am – 9:30 am

F: 8:00 am – 10:00 am

### CREDIT

**3** Semester Credit Hours (**3** hours lecture)

### MODE OF INSTRUCTION

**Face to Face**

### PREREQUISITE/CO-REQUISITE:

- A score of 950 or above on the TSI-Assessment placement test or a “C” or better in TMTH 0374 and
- Complete the Online Orientation and answer yes to 7+ questions on the Online Learner Self-Assessment:  
<http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx>  
<http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx>

### 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 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.

Approved: **Initials/date**

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.

### 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 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 six-function calculator (+, −, ÷, x, √, %) with a ± key 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

Week	TOPIC	ASSIGNMENTS (Due on this Date)
Week 1, 2 and 3	The first week assignments will be given in class. Going over syllabus and due dates. Chapter 6: Real Numbers and Their Representation. Chapter 5: Number Theory	The due dates on blackboard under weekly assignments and on MML.
Week 4	Chapter 5: Number Theory Chapter 7: The Basic Concepts of Algebra  Chapter 2: The Basic Concepts of Set Theory	Read the information on blackboard under the weekly assignments then go to MyMathLab and work on the assignments
Week 5	Chapter 6, 5, and 7 test Chapter 2: The Basic Concepts of Set Theory	Read the information on blackboard then go to MyMathLab and work on the assignments
Week 6 and 7	Chapter 2: The Basic Concepts of Set Theory Chapter 2 test Chapter 3: Introduction to Logic	Read the information on blackboard then go to MyMathLab and work on the assignments
Week 8 and 9	Chapter 3: Introduction to Logic Chapter 3 Test on MML	Read the information on blackboard then go to MyMathLab and work on the assignments
Week 10	Chapter 10: Counting Methods	Read the information on blackboard then go to MyMathLab and work on the assignments
Week 11	Chapter 10: Counting Methods Chapter 10 Test on MML Chapter 11: Probability	Read the information on blackboard then go to

		MyMathLab and work on the assignments
Week 12	Chapter 11: Probability Chapter 11 Test on MML	Read the information on blackboard then go to MyMathLab and work on the assignments
Week 13	Chapter 12: Statistics	Read the information on blackboard then go to MyMathLab and work on the assignments
Week 14	Chapter 13: Personal Financial Management Chapter 12 and 13 Test Chapter 15: Voting and Apportionment	Read the information on blackboard then go to MyMathLab and work on the assignments
Week 15	Final Exam on Campus	

### **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 \(lit.edu\)](#).

## **AI Statement**

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI / ChatGPT in their courses.

## **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**

- 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.**