

Contemporary (MATH 1332-3D1)

INSTRUCTOR CONTACT INFORMATION

Instructor: **Widad Abedelwahab**

Email: **whabedelwahab@lit.edu**

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

Office Location: **Building T5 Room 106**

Office Hours: M 7:00 am – 8:00 am, 9:00 pm – 12:00 pm
T 11:30 am – 12:30 am, 3:30 pm – 4:30 pm
W 7:00 am – 8:00 am, 9:00 pm – 12:00 pm
R 11:30 am – 12:30 am, 3:30 pm – 4:30 pm
F 8:00 – 11:00



**LAMAR INSTITUTE
OF TECHNOLOGY**

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>
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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 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, √, %) with a ± key scientific calculator.

ATTENDANCE POLICY

You should be able to log in to blackboard at least 6 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

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%

(Chapter tests will be taken on MyMathLab using Respondus Lockdown Browser)

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

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)