

Contemporary MATH (MATH 1332-2D1)

Advance Developmental MATH (TMTH0232-2A1)

CREDIT

MATH 1332

3 Semester Credit Hours (3 hours lecture)

TMTH 0232

2 Semester Credit Hours (2 hours lecture)

MODE OF INSTRUCTION

Online

PREREQUISITE/CO-REQUISITE:

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

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.
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.

INSTRUCTOR CONTACT INFORMATION

Instructor: **Widad Abedelwahab**
Email: **whabedelwahab@lit.edu**
Office Phone: **409-241-7873**
Office Location: **Building TA5 and Room 106**

Approved: **Initials/date**



Office Hours: **Virtual office hours by appointment. During the semester I will be creating virtual meetings (optional). I will send message through blackboard.**

1. We will be communicating with announcements and messages through Blackboard.
2. Do NOT use your personal e-mail to contact me. I will not respond to any personal e-mail.
3. I will check my messages Monday through Friday (not on weekends).
4. I will try to respond to you within 24 hours but please do not leave things for the last minute!
5. You must log in to black to check for new messages, announcements, and work on the assignments.
6. I will be asking you to respond to messages with "I understand"

REQUIRED TEXTBOOK AND MATERIALS

1. **MyMathLab stand alone.**
2. **A basic six-function calculator (+, -, ÷, ×, ±, √, %)**

ATTENDANCE POLICY

Blackboard logon and access to course a minimum of four times per week.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

Course Requirements

1. The student must enroll in MyMathLab through blackboard..
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. The due dates will be posted under tests and assignments calendar on blackboard.

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.

COURSE CALENDAR

| Week | TOPIC | ASSIGNMENTS (Due on this Date) |
|-------------|---|---|
| Week 1 | Course introduction and policies. The first week assignments TMTH 0232 Chapter 6: Real Numbers, Order, and Absolut Value Chapter 5: Prime numbers and composite numbers. GCF and LCM Chapter 6: The Real Numbers | Work on the first week assignments. Enroll in MML and start on the first week assignments. Work on TMTH 0232 MML assignments. More instructions on blackboard |
| Week 2 | Chapter 6: Rational Numbers and Decimals Chapter 6: Irrational Numbers | On MML Work on TMTH 0232. |
| Week 3 | Chapter 6: Rational Numbers and Decimals Chapter 6: Irrational Numbers | On MML Work on TMTH 0232. |
| Week 4 | Chapter 6: Applications of Decimals and Percents Chapter 7: Proportions | On MML Work on TMTH 0232. |
| Week 5 | Chapter 6: The Real Numbers All the quizzes will count a test | On MML Work on TMTH 0232. |
| Week 6 | Chapter 2: The Real Concepts of Set Theory | On MML: Work on MATH 1332 assignments |
| Week 7 | Chapter 2: The Real Concepts of Set Theory Test #1 (Chapter 2) | On MML: work on MATH 1332 assignments. Take chapter 2 test |
| Week 8 | Chapter 3: Introduction to Logic | On MML: work on MATH 1332 assignments. |
| Week 9 | Test #2 (Chapter 3) Chapter 10: Counting Methods | Take chapter 3 test On MML: work on MATH 1332 assignments. |
| Week 10 | Test #3 (Chapter 10) Chapter 11: Probability | Take chapter 10 test and start on chapter 11 |
| Week 11 | Chapter 11: Probability | On MML: work on MATH 1332 assignments. |
| Week 12 | Test #4 (Chapter 11) Chapter 12: Statistics | On MML: MATH 133 Take chapter 11 test and start on chapter 12 assignments |
| Week 13 | Chapter 12: Statistics | ON MML: work MATH 1332 assignments |
| Week 14 | Test #5 (Chapter 12) Chapter 13: Personal Financial Management | Take chapter 12 test and work on MATH 1332 assignments |
| Week 15 | Test #6 (Chapter 13) Chapter 15: Section 15.3 | Take chapter 13 test and Watch section 15.3 lecture video |
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COURSE EVALUATION

Final grades will be calculated according to the following criteria:

MATH 1332: Tests 60%

Course Assignments on MML (Core Assessment) 40%

GRADE SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

TMTH 0232: 40% Assignments on MML

60% of MATH 1332

GRADE SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 F
- 0-59 F

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.

ARTIFICIAL INTELLIGENCE STATEMENT

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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

On [blackboard](#)