# MATH 1332 (2D1) and TMTH 0232 (2D1)

Contemporary Math and Adv Developmental Math

**LAMAR INSTITUTE OF TECHNOLOGY**

**CREDIT**

MATH 1332 3 Semester Credit Hours (3 hours lecture, 0 hours lab)

TMTH 0232: 2 Semester Credit Hours (2 hours lecture, 0 hours lab)

**MODE OF INSTRUCTION**

Online

**PREREQUISITE/CO-REQUISITE**:

Must be co-enrolled in MATH 1332 Contemporary Math and TMTH 0232 Adv. Dev. Math.

**INSTRUCTOR CONTACT INFORMATION**

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| Instructor: | Jamie Barron |
| Office Phone: | Note that I do not have access to an office phone line. Contact me through the Messages tab in Blackboard. |
| Office Hours: | Virtual - contact me through the Messages tab on Blackboard |
| Email: | ***Communication for the course will be through the Messages tab on Blackboard)*** jhbarron@lit.edu |

**REQUIRED TEXTBOOK AND MATERIALS**

1. MyMathLab Standalone Access – it is best to sign up through Blackboard.
   In the MATH 1332 Blackboard course - see "LIT Student Registration Instructions for MyLab"
   NOTE: One code will work for both MATH 1332 and TMTH 0232
2. There is NO TEXTBOOK for this class but you will be responsible for printing out the class notes and exercises (located in Blackboard).
3. A basic scientific calculator
   You will NOT be allowed to use a graphing calculator or your device's calculator.
4. A binder, notebook paper, graph paper, a folder, pencils, erasers, and a ruler. Optional: highlighters

**COURSE DESCRIPTION**

TMTH 0232: The course supports students in developing skills, strategies, and reasoning needed to succeed in mathematics, including communication and appropriate use of technology. Topics include the study of numeracy and the real number system; algebraic concepts, notation, and reasoning, quantitative relationships; mathematical models; and problem solving.

MATH 1332: 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**

TMTH 0232: Upon completion of this course, the student will be able to:

1. Use appropriate symbolic notation and vocabulary to communicate, interpret, and explain mathematical concepts.
2. Define, represent, and perform operations on real numbers, applying numeric reasoning to investigate and describe quantitative relationships and solve real world problems in a variety of contexts.
3. Use algebraic reasoning to solve problems that require ratios, rates, percentages, and proportions in a variety of contexts using multiple representations.
4. Apply algebraic reasoning to manipulate expressions and equations to solve real world problems.
5. Use graphs, tables, and technology to analyze, interpret, and compare data sets.
6. Construct and use mathematics models in verbal, algebraic, graphical and tabular form to solve problems in a variety of contexts and to make predictions and decisions.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines

MATH 1332: 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.

**ATTENDANCE POLICY**

This is an online course - you are required to log into the course three times a week.

**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

**GRADE SCALE**

| TMTH 0232 | | MATH 1332 | |
|---|---|---|---|
| 90 – 100 | DA | 90-100 | A |
| 80 – 89 | DB | 80-89 | B |
| 70 – 79 | DC | 70-79 | C |
| 0 – 69 | DF | 60-69 | D |
| | | 0-59 | F |

**COURSE EVALUATION**

| TMTH 0232 | MATH 1332 |
|---|---|
| Quizzes 60% | Tests 60% |
| Assignments 40% | Assignments 20% |
| | Core Assess. 20% |

## COURSE CALENDAR

| Platform | TMTH 0232 ASSIGNMENTS (Online Class) | DUE DATE (subject to change) |
|---|---|---|
| MyMathLab | MyMathLab Orientation Assignment | ~~FRIDAY 1/31/25 at 11:59pm~~ <br><br> FRIDAY 2/14/25 at 11:59pm |
| MyMathLab | Mathematical Review | |
| MyMathLab | Section 6.1 Assignments | |
| MyMathLab | Quiz #1 (Section 6.1) | |
| MyMathLab | Section 6.2 Assignments | |
| MyMathLab | Quiz #2(Section 6.2) | |
| MyMathLab | Section 5.1 Assignment | ~~FRIDAY 2/7/25 at 11:59pm~~ <br><br> FRIDAY 2/14/25 at 11:59pm |
| MyMathLab | Quiz #3 (Section 5.1) | |
| MyMathLab | Section 5.4 Assignment | |
| MyMathLab | Quiz #4 (Section 5.4) | |
| MyMathLab | Section 6.3 Assignments | |
| MyMathLab | Quiz #5 (Section 6.3) | |
| MyMathLab | Section 6.4 Assignments | FRIDAY 2/14/25 at 11:59pm |
| MyMathLab | Quiz #6 (Section 6.4) | |
| MyMathLab | Section 6.5 Assignments | |
| MyMathLab | Quiz #7(Section 6.5) | |
| MyMathLab | Section 7.3 Assignments | |
| MyMathLab | Quiz #8 (Section 7.3) | |
| ***You have now completed the assignments for TMTH 0233 - Adv Developmental Math (CM3) <br> ***Proceed to the assignments in MATH 1332 – Contemporary Math (CM3) | | |

| Platform | MATH 1332 ASSIGNMENTS and TESTS (Online Class) | DUE DATE (subject to change) |
|---|---|---|
| MyMathLab | Section 2.1: Lecture Video and PowerPoints | FRIDAY 2/21/25 at 11:59pm |
| MyMathLab | Section 2.1 Assignments | |
| MyMathLab | Section 2.2: Lecture Video and PowerPoints | |
| MyMathLab | Section 2.2 Assignments | |
| MyMathLab | Section 2.3: Lecture Video and PowerPoints | FRIDAY 2/28/25 at 11:59pm |
| MyMathLab | Section 2.3 Assignments | |
| MyMathLab | Section 2.4: Lecture Video and PowerPoints | |
| MyMathLab | Section 2.4 Assignments | |
| MyMathLab | Test #1 (Chapter 2) | |
| MyMathLab | Section 3.1: Lecture Video and PowerPoints | FRIDAY 3/7/25 at 11:59pm |
| MyMathLab | Section 3.1 Assignments | |
| MyMathLab | Section 3.2: Lecture Video and PowerPoints | |
| MyMathLab | Section 3.2 Assignments | |
| SPRING BREAK | | |
| MyMathLab | Section 3.3: Lecture Video and PowerPoints | FRIDAY 3/21/25 at 11:59pm |
| MyMathLab | Section 3.3 Assignments | |
| MyMathLab | Section 3.4: Lecture Video and PowerPoints | |
| MyMathLab | Section 3.4 Assignments | |
| MyMathLab | Section 3.6: Lecture Video and PowerPoints | FRIDAY 3/28/25 at 11:59pm |
| MyMathLab | Section 3.6 Assignment | |
| MyMathLab | Test #2 (Chapter 3) | |

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|---|---|---|
| MyMathLab | Section 10.2: Lecture Video and PowerPoints | FRIDAY 4/4/25 at 11:59pm |
| MyMathLab | Section 10.2 Assignments | |
| MyMathLab | Section 10.3: Lecture Video and PowerPoints | |
| MyMathLab | Section 10.3 Assignments | |
| MyMathLab | Test #3 (Chapter 10) | FRIDAY 4/11/25 at 11:59pm |
| MyMathLab | Section 11.1: Lecture Video and PowerPoints | |
| MyMathLab | Section 11.1 Assignments | |
| MyMathLab | Section 11.2: Lecture Video and PowerPoints | FRIDAY 4/18/25 at 11:59pm |
| MyMathLab | Section 11.2 Assignments | |
| MyMathLab | Section 11.3: Lecture Video and PowerPoints | |
| MyMathLab | Section 11.3 Assignments | |
| MyMathLab | Test #4 (Chapter 11) | FRIDAY 4/25/25 at 11:59pm |
| MyMathLab | Core Objectives Activity | |
| MyMathLab | Section 12.1: Lecture Video and PowerPoints | FRIDAY 5/2/25 at 11:59pm |
| MyMathLab | Section 12.1 Assignment | |
| MyMathLab | Section 12.2: Lecture Video and PowerPoints | |
| MyMathLab | Section 12.2 Assignment | |
| MyMathLab | Test #5 (Chapter 12) | |
| MyMathLab | Section 13.1: Lecture Video and PowerPoints | FRIDAY 5/9/25 at 11:59pm |
| MyMathLab | Section 13.1 Assignment | |
| MyMathLab | Section 13.2: Lecture Video and PowerPoints | |
| MyMathLab | Section 13.2 Assignment | |
| MyMathLab | Test #6 (Chapter 13) | |

**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**

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

**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**

Check Blackboard OFTEN for Announcements and due dates.

Extra credit is NOT available for this course.

Late work will NOT be accepted.

- This is an online course – all assignments (except for the Final Exam) are open from the first day of class until the due date. Work ahead, but do not fall behind.
- It is the student's responsibility to make sure all technology is working (including the device and internet/Wi-Fi) and have a backup plan in case issues arise.
- Due dates will NOT be extended due to technical issues (unless it is an established issue with Blackboard or MyMathLab – then students will be notified of the issues through Announcements in Blackboard).
- If you have an emergency (hospital, death in the family, etc.) you MUST send the instructor documentation through the Messages tab on Blackboard. The instructor will then make a determination on extra time.

Note that the instructor does not have a physical office at Lamar Institute of Technology.

- Contact the instructor through the Messages tab on Blackboard (**NOT by email**).
- The Instructor will respond within 24 hours (possibly longer if it is the weekend).
- Virtual office hours are by appointment only.

Technical assistance:
- For technical issues - helpdesk@lit.edu (409) 839-2074
- For online academic concerns - distanced@lit.edu (409) 880-7432
- Pearson Publishing (for MyMathLab problems)
  https://mlm.pearson.com/northamerica/mymathlab/students/support/index.html