Contemporary Math (MATH 1332-1A1)
Advanced Developmental (TMTH 0232-1A1)

INSTRUCTOR CONTACT INFORMATION
Instructor: Widad Abedelwahab
Email: whabedelwahab@lit.edu
Office Phone: (409)241-7873
Office Location: Building T5 Room 106
Office Hours: M 9:00 am – 11:00 am, 12:00 pm – 1:00 pm
T 9:00 am – 11:00 am
W 9:00 am – 11:00 am
R 9:00 am – 11:00 am, 2:00 pm – 3:00 pm

CREDIT
MATH 1332 is 3 Semester Credit Hours (3 hours lecture, 2 hours review course)
TMTH 0232 is 2 Semester Credit Hours

MODE OF INSTRUCTION
Hybrid
We Meet Monday and Tuesday. You watch lecture video and home assignments on Wednesday and Thursday.

PREREQUISITE/CO-REQUISITE:
A score of 936 – 949 with diagnostic less than 6.

This class must be taken in conjunction with TMTH 0232-1A1.

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.
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.
5. Interpret and analyze various representations of data.

Approved: Initials/date
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, √, %)
   You are not allowed to use a graphical calculator.

ATTENDANCE POLICY
This course is a hybrid course. We will meet face to face on Monday and Tuesday and will be online on Wednesday and Thursday. I will be taking attendance in class. If you can not attend the class you should come to campus to take the tests.

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 4 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.
Students will be given an assignments calendar in class. I will announce the due dates in class every Monday. See MyMathLab account for the due dates.

The due dates subject to change.

### COURSE CALENDAR

<table>
<thead>
<tr>
<th>Week</th>
<th>TOPIC</th>
<th>ASSIGNMENTS (Due on this Date)</th>
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<tbody>
<tr>
<td><strong>Week 1</strong></td>
<td>Course introduction and policies. TMTH 0232</td>
<td>Work on the first week assignments. Enroll in MML. Watch lecture video on blackboard. Work on TMTH 0232 MML assignments. More instructions will be given in class.</td>
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</tbody>
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| Jan 16 – Jan 22 | Module 1: Whole Numbers  
Chapter 5: Prime numbers and composite numbers. GCF and LCM  
Chapter 6: The Real Numbers | On MML Work on TMTH 0232 and watch lecture videos on blackboard.                               |
| **Week 2** | Module 2: The Fraction Notation  
Chapter 6: The Real Numbers | On MML Work on TMTH 0232 and watch lecture videos on blackboard.                               |
| Jan 23 – Jan 29 | Module 3: Decimal Notation  
Chapter 6: The Real Numbers | On MML: Work on TMTH 0232 assignments and watch lecture videos on blackboard.                  |
| **Week 3** | Module 4: Percent Notation  
Chapter 7: Proportions | On MML: Work on TMTH 0232 assignments.                                                        |
| Jan 30 – Feb 5 | Module 7: The Real Numbers  
Chapter 6: The Real Numbers  
Chapter 5/6/7 test | On MML: work on TMTH 0232 assignments.                                                        |
| **Week 4** | Chapter 2: The Real Concepts of Set Theory | On MML: Work on MATH 1332 assignments and watch the lecture video                            |
| Feb 6 – Feb 12 | Chapter 2: The Real Concepts of Set Theory  
Chapter 2 Test | On MML: work on MATH 1332 assignments.                                                        |
| **Week 5** | Chapter 3: Introduction to Logic | On MML: work on MATH 1332 assignments.                                                        |
| Feb 13 – Feb 19 | Chapter 3 Test  
Chapter 10: Counting Methods | On MML: work on MATH 1332 assignments.                                                        |
| **Week 6** | Chapter 10 Test  
Chapter 11: Probability | ON MML: Math 1332 start on chapter 11                                                        |
| Feb 20 – Feb 26 | Chapter 11 Test  
Module 5: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
| **Week 7** | Chapter 11 Test  
Module 5: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
| Feb 27-March 5 | Module 5: Statistics  
Chapter 12: Statistics | On MML: work on TMTH0232 and MATH 1332 assignments.                                           |
| **Week 8** | Module 6: Statistics  
Chapter 12: Statistics | On MML: work on MATH 1332 assignments.                                                        |
| March 6 – 10 | Module 6: Statistics  
Chapter 12: Statistics | On MML: work on MATH 1332 assignments.                                                        |
| **Week 9** | Module 6: Statistics  
Chapter 12: Statistics | On MML: work on MATH 1332 assignments.                                                        |
| March 20 – 26 | Module 6: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
| **Week 10** | Module 6: Statistics  
Chapter 12: Statistics | On MML: work on TMTH0232 and MATH 1332 assignments.                                           |
| March 27-Apr 2 | Module 6: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
| **Week 11** | Module 6: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
| April 3 – 9 | Module 6: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
| **Week 12** | Module 6: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
| April 10 – 16 | Module 6: Statistics  
Chapter 12: Statistics | On blackboard: Watch the lecture video and fill in the worksheets.                            |
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<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Assignments</th>
<th>Assignments</th>
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<tbody>
<tr>
<td>14</td>
<td>April 24–30</td>
<td>Chapter 12 Test</td>
<td>On MML: work on TMTH0232 and MATH 1332 assignments</td>
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<td>Chapter 13: Personal Financial Management</td>
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<tr>
<td>15</td>
<td>May 1-5</td>
<td>Chapter 13 Test</td>
<td>Work on MML assignments.</td>
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<td>16</td>
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<td>Final Exam</td>
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**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](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-](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**
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. You can come to my office during office hours.
Please use LIT email. I do not respond to personal emails.