Mathematics for Teachers I (MATH 1350-1A2)

CREDIT
3 Semester Credit Hours (3 hours lecture)

MODE OF INSTRUCTION
Online (8-Weeks Course)

PREREQUISITE/CO-REQUISITE:
• MATH 1314 or MATH 1414 College Algebra
• Complete the Online Orientation and answer yes to 7+ questions on the Online Learner SelfAssessment:
http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx

COURSE DESCRIPTION

This course is intended to build or reinforce a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking. This course is time-bound, structured, and online.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to:
1. Explain and model the arithmetic operations for whole numbers and integers.
2. Explain and model computations with fractions, decimals, ratios, and percentages.
3. Describe and demonstrate how factors, multiples, and prime numbers are used to solve problems. 4. Apply problem-solving skills to numerical applications.
5. Represent and describe relationships among sets using the appropriate mathematical terminology and notation.
6. Compare and contrast structures of numeration systems.

CORE OBJECTIVES MEASURED

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.

INSTRUCTOR CONTACT INFORMATION

      Instructor: Widad Abedelwahab

      Email: whabedelwahab@lit.edu

      Office Phone: 409-241-7873

      Office Location: Building TA5 and Room 106

Office Hours: Campus Office Hours

        M, W, F: 8:00 am – 9:00 am, 10:00 am – 11:00 am
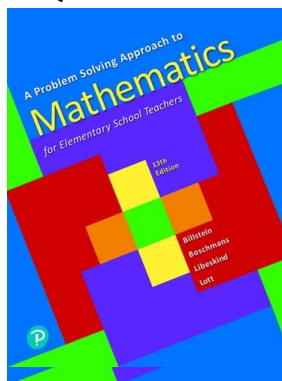
        T: 10:00 am – 11:00 am, 1:30 pm – 2:30 pm

        R: 9:00 am – 11:00 am

Virtual office hours by appointment. During the semester I will be creating virtual meetings (optional).

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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 email.
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"
7. Students who are using AI in this course, a grade of zero will be given to the student using it on the assignments.

REQUIRED TEXTBOOK AND MATERIALS

MyLab Math with Pearson eText (18 Weeks) for A Problem-Solving Approach to Mathematics for Elementary School Teachers, ($94.99)
ISBN-13: 9780135960363

MyLab Math with Pearson eText (up to 24 months) for A Problem-Solving Approach to Mathematics for Elementary School Teachers ($154.99)
ISBN-13: 9780135190074

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.

1. A basic six-function calculator (+, -, ÷, ×, ±, √, ⁒)

ATTENDANCE POLICY

1. **Check messages and announcements on blackboard.**
2. Blackboard logon and access to the course a minimum of four times per week.
3. In this class, participation during the semester (e g, responding to me messages before I post new message, doing the assignments on time, joining the virtual meetings on blackboard and doing the discussion questions by the due dates) will count extra test in the end of the semester.
4. Blackboard logon and access the course every day.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified date as listed in the College Calendar on the Student Success web page. 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 purchase all required course materials.
2. The student will be expected to have access to the Internet and a computer.
3. The student will logon and access the course a minimum of eight times per week.
4. Students are required to complete the assignments by the due dates. The due dates under tests and assignments calendar on blackboard.
5. Additional course requirements as defined by the individual course instructor.
6. Student not allowed to use AI on the test but students can use it as tutoring tools.

COURSE CALENDAR

Week	TOPIC	ASSIGNMENTS (Due on this Date) All the due dates under the assignments calendar on blackboard(Please print it) and on MML
Week 1	Course introduction and policies. The first week assignments Chapter 1: Section 1.1	Work on the first week assignments. Print the assignments calendar from blackboard. More information on blackboard
Week 2	Chapter 2: Section: 2.2 – 2.3 Test1 (Chapter 1 & 2)	Watch lecture videos and the assignments on MML. Take test 1 on MML
Week 3	Chapter 3 Section; 3.1 – 3.3	Watch lecture videos and the assignments on MML.
Week 4	Section: 3.4 – 3.5 Test #2 (Chapter 3)	Watch lecture videos and the assignments on MML. Take Test 2 on MML

Week 5	Chapter 4 Section 4.1 – 4.3 Test # 3(Chapter 4)	Watch the lecture videos and do the assignments on MML
Week 6	Chapter 5 Section 5.1 – 5.2 Chapter 6 Section 6.1	Watch the lecture videos and do the assignments on MML
Week 7	Chapter 6 Section 6.2 – 6.4 Test #4(Chapter 6)	Watch the lecture videos and do the assignments on MML. Take Test 4 on MML
Week 8	Chapter 7 Section 7.1 – 7.5 Test # 5(Chapter 7)	Watch the lecture videos and do the assignments on MML Take Test 5

COURSE EVALUATION

Final grades will be calculated according to the following criteria:
- Tests 60%
- Assignments on MML 40%

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

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-minimumcomputerrequirements. 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
1. **Students are not allowed to use any electronic devices during testing.**
2. **Dishonesty: If the student caught cheating will face consequences:**
   a. **First time a grade of zero will be given to the student until student retake 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. More Information on Blackboard

3.   **Students are not allowed to use AI in this course.**