

# Contemporary Math (MATH 1332)

## CREDIT

3 Semester Credit Hours (3 hours lecture)

## MODE OF INSTRUCTION

Face to Face



**LAMAR INSTITUTE  
OF TECHNOLOGY**

Figure 1 Lamar Institute of Technology Logo

## Prerequisite/Co-requisite:

- A score of 350 or above on the TSI-Assessment placement test (effective Fall 2013) or a “C” or better in TMTH 0374.
- 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>

## 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 (Student Learning Outcomes SLO)

Upon successful completion of this course, students will:

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.

Approved: **Initials/date**

## INSTRUCTOR CONTACT INFORMATION

Instructor: Chris Sams

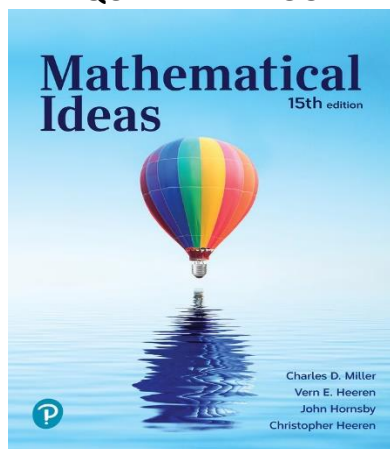
Email: casams@lit.edu

Office Phone: 409-247-5186

Office Location: TC Rm. 240

Office Hours: M: 9:30am-10:30am  
MW 1:45pm-2:30pm  
TR: 8:30am-9:20am; 12:20pm-2:30pm  
F: 9:30am-11:00am

## REQUIRED TEXTBOOK AND MATERIALS



18-week access MyLab Math with Pearson eText (18 Weeks)  
ISBN-13: 9780138051358 (\$90 plus tax)

24-month access MyLab Math with Pearson eText (24 Months)  
ISBN-13: 9780138051303 (\$150 plus tax)

(Comes inclusive with ELE bundle for \$42)

2. Calculator of your choice. (Ask instructor for available resources)

Figure 2 Course Textbook image

## ATTENDANCE POLICY

Face to face classes: you are expected to attend every class. Failure to attend may result in being dropped or loss of credit (failing the course), with or without warning.

Online classes: do not attend class but are expected to login to blackboard at least twice a week and complete assignments prior to due date. Failure to complete assignments prior to the due date may result in loss of credit. Late work may not be accepted.

## 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 coming to class and fail to drop the course, you will earn an "F" in the course.

## STUDENT EXPECTED TIME REQUIREMENT

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

## COURSE CALENDAR (Dates and assignments subject to change with or without notice)

Week of	Section	Title	Assignment
1/20		<b>MLK – Monday no class</b> Syllabus / Introduction to Hawkes	Online through Mymathlab
	2.1	Set Notation	Due 2/21
1/27	2.2	Subsets and Venn Diagrams	Due 2/21
	2.3	Operations with Sets	Due 2/21
2/3	2.4	Problem Solving with Venn Diagrams	Due 2/21
	3.1	Logic Statements and Quantifiers	Due 2/21
2/10	3.2	Truth Tables	Due 2/21
	3.3	The Conditional	Due 2/21
	3.4	Conditional and Related Statements	Due 2/21
2/17		<b>Test I Chapters 2 &amp; 3</b>	Due 2/21
	5.1	Prime and Composite Numbers	Due 3/21
2/24	5.4	GCF and LCM	Due 3/21
	6.1	Real Numbers, Order, and Absolute Value	Due 3/21
3/3	6.2	Operations and Properties	Due 3/21
	6.3	Rational Numbers and Decimals	Due 3/21
	6.4	Irrational Numbers	Due 3/21
<b>3/10-14</b>		<b>Spring Break No Class</b>	Due 3/21
3/17	6.5	Applications of Decimals and Percent's	Due 3/21
		<b>Test II Chapters 5 &amp; 6</b>	Due 3/21
3/24	7.3	Ratio, Proportions, and Variation	Due 4/4
	10.2	Fundamental Counting Principal	Due 4/4
3/31	10.3	Permutations and Combinations	Due 4/4
		<b>Test III Chapters 7 &amp; 10</b>	Due 4/4
4/7	11.1	Basic Concepts	Due 4/17
	11.2	Probability Involving (or)	Due 4/17
	11.3	Probability Involving (and)	Due 4/17
4/14		<b>Test IV Chapter 11</b>	Due 4/17
		<b>Core Assessment</b>	Due 4/17
		<b>4/18 Good Friday (Campus Closed)</b>	
4/21	12.1	Frequency Distributions	Due 5/9
	12.2	Mean Median and Mode	Due 5/9
4/28	13.1	Simple Interest	Due 5/9
	13.2	Consumer Credit	Due 5/9
5/5		Final exam	Due 5/9

## **COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

- **Test (Final Included)** **60%**
- **Course Assignments** **20%**
- **Core Assessment** **20%**

## **GRADE SCALE**

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 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](mailto: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](http://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**

# Mr. Sams Additional Information

## **My Teaching Philosophy**

I believe that all students can learn. If you've never been good at math that does not mean you never will be good at math. With proper guidance and practice you can learn anything. The way you practice sports or practice to learn a musical instrument, is the same practice we must adopt to learn academics. No one learned to ride a bike by listening to lectures, you had to practice and endure falls and crashes. I'm here to help you and hopefully explain topics and concepts in such a way that it's easy to digest. However, you must practice if you want to learn.

## **What To Expect from Instructor Sams:**

- Response to email within 24 (except Friday after noon and weekends) / Remind text response same day (**Remind preferred**) Please add name course and section to email and text so that I can identify you
- Flexible office hours/ virtual help when needed. (Schedule an appointment with me if my offered hours do not work for you)

- Grade updates within a week of syllabus due date (Please wait until a week of submission/syllabus due date before inquiring about a grade)
- Extra credit opportunities

### **Student Behavior Expectations:**

- Join remind for text communication. (Directions found on Blackboard start here)
- Seek help from instructor early and often, do not wait until the last minute!
- Plan ahead; if you will miss an exam, make prior arrangements to take it early or schedule a make-up date at instructors' convenience
- When sending emails identify yourself with class and section
- Participate in class lecture/discussions.
- Keep in mind that each student comes from a different cultural background and brings a different set of beliefs and values. As a result, students may disagree on various topics during discussion. Disagreements can lead to critical thinking and deeper understanding, therefore be respectful of other class members and different opinions. Disrespect for others will not be tolerated.
- You are adults, you will be treated as such. If you need to excuse yourself from class for work call, personal family call, or restroom etc. Please do so quietly with minimal disruptions. Please know that you are responsible for any information that you miss during your absence.