Contemporary Math

Math 1332- Fall Semester (16 Weeks)

INSTRUCTOR CONTACT INFORMATION

Instructor:	Larry D. Gregory, Jr.
Email:	ldgregory@lit.edu
Office Phone:	409-549-0228 (Call or Text)
Office Location:	Online
Office Hours:	Online Help Sessions will be scheduled as necessary.

CREDIT
3 Semester Credit Hours (3 hours lecture)

MODE OF INSTRUCTION
Online

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.*

Approved: Initials/date

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.

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 032119991X**
2. Calculator of your choice.

ATTENDANCE POLICY
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 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)

Section	Title	Due Date
Math 1332 (16 Weeks) Course Outline and Important Due Dates (in My Math Lab)		
2.1	Set Notation	9/10/2023
2.2	Subsets and Venn Diagrams	9/10/2023
2.3	Operations with Sets	9/10/2023
2.4	Problem Solving with Venn Diagrams	9/10/2023
	Chapter 2 Test	9/10/2023
3.1	Logic Statements and Quantifiers	9/17/2023
3.2	Truth Tables	9/17/2023
3.3	The Conditional	9/17/2023
3.4	The Conditional and Related Statements	9/17/2023
	Chapter 3 Test	9/17/2023
5.1	Prime and Composite Numbers	9/24/2023
5.4	GCF and LCM	9/24/2023
	Chapter 5 Test	9/24/2023
6.1	Real Numbers, Order, and Absolute Value	10/8/2023
6.2	Operations and Properties	10/8/2023
6.3	Rational Numbers and Decimals	10/8/2023
6.4	Irrational Numbers	10/8/2023
6.5	Applications of Decimals and Percents	10/8/2023
	Chapter 6 Test	10/8/2023
7.3	Ratio, Proportions, and Variation	10/15/2023
	Chapter 7 Test	10/15/2023
10.2	Fundamental Counting Principle	10/22/2023
10.3	Permutations and Combinations	10/22/2023
	Chapter 10 Test	10/22/2023
11.1	Basic Concepts	11/5/2023
11.2	Probability Involving "or"	11/5/2023
11.3	Probability Involving "and"	11/5/2023
	Chapter 11 Test	11/5/2023
12.1	Frequency Distributions	11/19/2023
12.2	Mean, Median, Mode	11/19/2023
12.3	Standard Deviation and Variance	11/19/2023
	Chapter 12 Test	11/19/2023
13.1	Simple Interest	11/26/2023
	Chapter 13 Test	11/26/2023
	Core Assessment	12/3/2023

	Final Exam	12/5/2023

COURSE EVALUATION
Final grades will be calculated according to the following criteria:
- **Course Assignments   40%**
- **Test   60%**

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.

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.

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

Communication is key. If there is ever an issue that comes up, please feel free to text me. If your kid gets sick or you get sick, death in the family, or any important life event please let me know. I am more than willing to accommodate your needs. The best form of communication is by phone or text message. I will check my email multiple times a day, but if it is urgent, please call or text. It is important that you stay ahead of schedule in this course. It is also important to purchase My Math Lab as soon as possible so you can begin your course work. PLEASE WATCH THE INTRODUCTORY VIDEO FOR ALL IMPORTANT INFORMATION. I will also ask each of you to fill out the course evaluation and send a screen shot of proof of completion at the end of the semester.