Math 1332-3D1

INSTRUCTOR CONTACT INFORMATION

Instructor: Irma Moulton

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Office Phone: N/A

Office Location: Technical Arts Building 5, Room 104

Office Hours: 5 pm to 5:30 pm Tuesdays

CREDIT
 3 Semester Credit Hours (3 hours lecture)

MODE OF INSTRUCTION
Face to Face; with all daily assignments online in MyMathLab through Blackboard.

PREREQUISITE/CO-REQUISITE:
A score of 350 or above on the TSI-Assessment placement test or a "C" or better in TMTH 0374.

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 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. Upon completion of this course, the student will be able to

REQUIRED TEXTBOOK AND MATERIALS

1. MyMathLab Standalone Access Code A. May be purchased online at MyMathLab linked to Blackboard.
 b. May be purchased at a local bookstore: ISBN 032119991X
2. A basic six-function calculator (+, −, ÷, x, √, %) with a ± key (I recommend TI-30X IIS Scientific Calculator)

ATTENDANCE POLICY

1. Attendance is mandatory.
2. Attendance is 10% of your grade.
2. The student must purchase all of the required course materials (MyMathLab and calculator).
3. The student will be expected to have access to the Internet and a computer.

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

Tentative Instructional Outline: Instructor reserves the right to modify this syllabus addendum as needed during the course.

Week	Date	Assignments	Due Date
1	1/23/23	Introductions, MyMathLab, class procedures /Syllabus.	1/23

		2.1 Symbols and Terminology	
		2.2 Venn Diagrams and Subsets	
		2.3 Set Operations	2/13
2	1/30/23	2.4 Surveys and Cardinal Numbers	
		3.1 Statements and Quantifiers	
		3.2 Truth Tables and Equivalent Statements	2/13
3	2/6/23	3.3 The Conditional and Circuits	
		3.4 The Conditional and Related Statements	
		3.6 Analyzing Arguments with Truth Tables	
		Review / Quiz over Chapters 2 and 3 in MyMathLab	2/13
4	2/13/23	Exam #1 over Chapters 2 and 3	2/13
	2/17/23	Regular Spring: Last day for students to drop classes or withdraw from classes WITHOUT academic penalty and last day for students to petition to audit a class.	
5	2/20/23	5.1 Prime and Composite Numbers	
		5.4 Greatest Common Factor and Least Common Multiple	
		6.1 Real Numbers, Order, and Absolute Value	
		6.2 Operations, Properties, and Applications of Real Numbers	3/20
		Discussions over last week's Exam #1	
6	2/27/23	6.3 Rational Numbers and Decimal Representation	
		6.4 Irrational Numbers and Decimal Representation	
		6.5 Applications of Decimals and Percents	
		Review / Quiz over Chapters 5 and 6 in MyMathLab	3/20
7	3/6/23	7.3 Ratio, Proportion, and Variation	

		10.2 Using the Fundamental Counting Principle	
		10.3 Using Permutations and Combinations	
		Review / Quiz over Chapters 7 and 10 in MyMathLab	3/20
8	3/13/23	Spring Break – No Class, Campus is Closed.	
9	3/20/23	Exam #2 over Chapters 5, 6, 7 and 10	3/20
10	3/27/23	11.1 Basic Concepts	
		11.2 Events Involving "Not" or "Or"	
		11.3 Conditional Probability and Events involving "And"	4/10
		Discussions over Exam #2 taken during Spring Break	
11	4/3/23	12.1 Visual Displays of Data	
		12.2 Measures of Central Tendency	4/10
		Review / Quiz over Chapters 11 and 12 in MyMathLab	
	4/3/23	Regular Spring: Last day for students to drop classes or withdraw from classes WITH academic penalty.	
12	4/10/23	Exam #3 over Chapters 11 and 12	4/10
13	4/17/23	13.1 The Time Value of Money	
		13.2 Consumer Credit	
		15.3 The Possibilities of Apportionment	
		Review over Chapters 13 and 15 in MyMathLab	4/24
		Discussions over last week's Exam #3	
14	4/24/23	Exam #4 over Chapters 13 and 15	4/24

15	5/1/23	Final Exam Review in class (there is another review in MyMathLab)	
		Core Assessment is due tonight at 11:59 pm	5/1
		Discussions over last week's Exam #4	
16	5/8/23	Comprehensive Final Exam from 5:30 pm to 7:30 pm	5/8

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Your grade will be determined by the following	Details	Percent of Final Average
Homework	Online -MyMathLab	20%
Quizzes (including a CORE Assignment)	Online -MyMathLab	(Included in 20% above)
Attendance / Participation	In Class – hard copy	10%
4 Chapter Exams	In Class – hard copy	60%
Final Exam	In Class – hard copy	10%
TOTAL:		**100%**

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

ASSIGNMENTS will be assigned at each class meeting. These assignments will be completed online in MyMathLab. In order to succeed in any math class, you must do the math. Mathematics is just like any sport; you learn through practice and repetition. It typically does not matter how good your notes are or how much effort you have put into getting help with the class work, you have to practice it yourself. You will have access to the e-book, video clips, "See an example", "Help me solve this" all in MyMathLab. I will give you more insight into this in class. You will have one week to work on each set of homework assignments. Pace yourself and do some each night. There is a deadline for each assignment including quizzes. It does not matter if the internet goes out or some unforeseen circumstance pops up, the assignments will NOT be extended past the due date. Once the due date and time is past due, you will be deducted 50% for doing any assignment late. You will no longer have access to late assignments in MyMathLab a week before the end of the semester. I will not allow any late exams.