Math 1332.031IN
Contemporary Mathematics
Summer 2021

Instructor Information: Gabriela Peña, gpena3@com.edu
Google Voice #: 409-242-0281
Office #: 409-933-8182 Leave a Message

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means.

Live Lessons: There will be live sessions on Monday & Tuesday at 9 AM on Blackboard Collaborate Ultra. You are encouraged to attend the live sessions where you can ask questions or concerns that you may have, but if you cannot attend, the sessions will be recorded for you and will be available on Blackboard Collaborate Ultra under Recordings. On Wednesday, I will provide video links for lessons for the sections that should be covered that week. These videos will be in the section "Video Links". This is subject to change if necessary.

Student hours and location: Office Hours are held through Zoom, schedule them on Calendly.
calendly.com/gpena3
Monday & Tuesday 8:00AM-9:00AM
Wednesday 5:00PM-6:30PM

Required Textbook: A Survey of Mathematics With Applications, 10th edition, by Angel, Abbot, and Runde, Pearson Education, 2017. The homework and quizzes as well as the e-text and videos for this course are online at mymathlab.com. The **access code** for MyMathLab may be purchased with the textbook or may be purchased separately online at mymathlab.com. You need the access code and the course code (the course code is **pena62964**),to gain access to MyMathLab today.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Course Description: Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication will be embedded throughout the course. Prerequisites/co-requisites:

Course requirements (including description of any special projects or assignments):
Online Homework Assignments (My Math Lab)
Online Quizzes (My Math Lab)
Four regular exams
Comprehensive final exam

Determination of Course Grade/Detailed Grading Formula (methods of evaluation to be employed to include a variety of means to evaluate student performance):

My Math Lab **Homework**	**10%**
Quiz Average	**10%**
Chapter Exam (Each Exam is 15%)	**60%**
Final Exam	**20%**

Homework Assignments on MyMathLab: There is a homework assignment for each section covered in class. These are listed on the course outline beginning on **page 3** of this syllabus. Twenty (20) points will be deducted from the score of a homework assignment if it is finished after the time it is due. Although the homework is online at mymathlab.com, and the answers are entered online, you should write your work on paper, neatly showing all steps, and keep it in your notebook with your lecture notes for future reference, both as an aid for preparing for quizzes and exams, and as a place to begin when seeking assistance from your instructor, the math lab, or from your peers. The student has several attempts to answer a question correctly on the homework assignments.

Quizzes on MyMathLab: There are six quizzes which relate to the student learning outcomes. They are to be done on MyMathLab. Unlike the homework assignments, the quizzes must be taken in one sitting, they are timed, and the student only gets one attempt to answer each question. The quizzes may be retaken one time. The higher of the two grades will be used to determine the student's quiz average. The scores on these quizzes will be averaged in with the quiz grades on MyMathLab.

Four Chapter Exams: There are four exams which cover the chapters in the text book. The exams are given on the dates listed on the Course Outline. The student has one hour and twenty minutes to take each exam. There are no make-up exams **unless** the student notifies the instructor in writing and the professor determines if it is a legitimate reason. If you are permitted to make-up the exam, there is a deadline for completing the exam, and if the deadline is not met, the score for the exam will be recorded as a zero. Exams may not be retaken. However, if the grade on the final exam is higher than the lowest chapter exam grade, the final exam grade will replace the one lowest chapter exam grade. **The final exam will replace your lowest test score as long as you do not have more than 4 absences and have actively participated in class which includes eliminating distractions like your cell phone, unless it is part of a class activity**

Grading Scale:
Grade A: Final Average is [89.5, 100]
Grade B: Final Average is [79.5, 89.5)
Grade C: Final Average is [69.5, 79.5)
Grade D: Final Average is [59.5, 69.5)
Grade F: Final Average is [0, 59.5)
Grade I: Given unforeseen circumstances that result in the inability to successfully complete the course objectives, an I-Contract can be requested from the instructor assuming you meet the following criteria:
1. Have a passing overall average (70 or higher)
2. All work completed except for The Final Exam

Course outline (include calendar with lecture topics, due dates):

Week	Assignments For ***MATH 0308***	Due Date (by 11:59PM)	Assignments For ***MATH 1332***	Due Date (by 11:59PM)
6 July 12-18	Review for Exam 4 **Exam 4: Chapters 8 and 9 - [Open 7/13-7/14]**	7/14/21	Syllabus 2.1 Set Concepts 2.2 Subsets 2.3 Venn Diagrams and Set Operations 2.4 Venn Diagrams with Three Sets and Verification of Equality of Sets 2.5 Application of Sets **Quiz 1 (Section 2.5)** 3.1 Statements and Logical Connectives 3.2 Truth Tables for Negation, Conjunction, and Disjunction	7/14/21 7/14/21 7/15/21 7/15/21 7/16/21 7/16/21 7/17/21 7/17/21 7/18/21
7 July 19-25	Review for Final Exam **Comprehensive Final Exam - [Open 7/20-7/21]**	7/21/21	3.3 Truth Tables for the Conditional and Biconditional 3.4 Equivalent Statements **Quiz 2 (Section 3.2, 3.3, 3.4)** Review Chapters 2 & 3 **Test 1: Chapters 2 & 3 - [Open 7/22-7/23]** 11.1 Empirical & Theoretical Probabilities 11.2 Odds 11.3 Expected Value 11.4 Tree Diagrams 11.5 OR and AND Problems	7/21/21 7/21/21 7/22/21 7/23/21 7/24/21 7/24/21 7/25/21 7/25/21 7/26/21
8 Jul 26-Aug 1			11.6 Conditional Probability Review Chapter 11.2-11.6 **Test 2 (11.1 – 11.6) - [Open 7/27-7/28]** 11.7 The Counting Principle and Permutations 11.8 Combinations 11.9 Solving Probability Problems by Using Combinations **Quiz 3 (Section 11.1, 11.5, 11.6, 11.7, 11.8, 11.9)** 11.10 Binomial Probability Formula 12.2 Frequency Distributions and Statistical Graphs **Quiz 4 (Section 12.2)**	7/27/21 7/28/21 7/29/21 7/29/21 7/30/21 7/31/21 7/31/21 8/1/21 8/1/21
9 Aug 2-8			12.3 Measures of Central Tendency 12.4 Measures of Dispersion Review Chapter 12.2 – 12.4 **Test 3 (12.2 – 12.4) - [Open 8/4-8/5]** 6.2 Formulas 6.3 Applications of Algebra 6.10 Functions and Their Graphs 10.1 Percent 10.2 Personal Loans and Simple Interest 10.3 Compound Interest	8/4/21 8/4/21 8/5/21 8/6/21 8/6/21 8/7/21 8/7/21 8/8/21 8/8/21
10 Aug 9-13			**Quiz 5 (Section 10.1, 10.2, 10.3, 6.10)** 10.4 Installment Buying 10.5 Buying a House with a Mortgage **Quiz 6 (Section 10.2, 10.3, 10.4, 10.5)** Review (6.2 – 10.5) **Test 4 (6.2 – 10.5) - [Open 8/10-8/11]** Review Final Exam **Final Exam - [Open 8/11-8/13]**	8/10/21 8/11/21 8/11/21 8/11/21 8/11/21 8/13/21

PLEASE NOTE: The syllabus is subject to change at the discretion of the instructor.
Census Day – June 15, 2021
W-Day – August 2, 2021

Attendance Policy: Students at COM are encouraged to attend and participate in every session of all classes for which they are registered. Regular commitment to attend and/or view the recordings on Blackboard Collaborate Ultra and any additional Videos is a critical component to being successful in this course. There is a strong correlation between no commitment and failing grades. It is extremely difficult to succeed in this course without putting in the time to viewing the lessons and doing your assignments on My Lab Math (Pearson).

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are only permitted to withdraw six times during their college career by State law. The last day to withdraw for the 1st 8 week session is March 3rd , April 26th for 16 week courses and May 5th for the 2nd 8 week session.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance,* as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention is very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Academic Dishonesty: College of the Mainland is committed to a high standard of academic integrity. All students are responsible for honesty and independent effort. Incidents of academic and scholastic dishonesty (including cheating, plagiarism, and collusion) will be dealt with in a manner that is consistent with College Policy and the Student Handbook. Any student found to have been academically dishonest on a quiz or test will receive a zero on that quiz or test and forfeit the chance to retake. In addition, he or she will be referred to the Office of Student Conduct for further disciplinary action. For the second offense, students will be given an "F" for the class. Please read the sections on *Standards of Student Conduct and Discipline and Penalties* in the on-line Student Handbook.
A graphing calculator is needed for this course. A Texas Instruments TI 83 Plus or TI 84 Plus is recommended. A TI 89 or higher cannot be used in this course.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact the Department Chair, Mr. Leslie Richardson at (409)933-8329.

Student Learner Outcomes	SLO assessed via this assignment	SLO maps to Core Objective	Core Objective assessed via this assignment
1. Apply the language and notation of sets.	Quiz 1	Critical Thinking Skills (CT)	Question on Test 1
2. Determine the validity of an argument or statement and provide mathematical evidence.	Quiz 2		
3. Solve problems in mathematics of finance.	Quiz 6	Communication Skills (CS)	Question on Test 4
4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems.	Quiz 3		
5. Interpret and analyze various representations of data.	Quiz 4	Empirical and Quantitative Skills (EQS)	Question on Test 3
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.	Quiz 5		

Skills will not be assessed.

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook.<https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.*
https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college career. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or hbankston@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement: Any student that is needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to setup their appointment. Appointments are strongly encouraged; however some concerns may be addressed on a walk-in basis.