COM
College of the Mainland

MATH 0306 – 150CL
Foundations of Math Reasoning
Fall 2023
9:30am – 11:20pm MW   ICB Room 206
10:00am – 10:50am F   ICB Room 206

Instructor Information: Gabriela Peña, gpena3@com.edu
                            Office: **STEAM 325-07**
                            Office Phone #: 409-933-8182
                            Google Voice #: 409-242-0281

Student hours and location: Schedule your time via https://calendly.com/gpena3
            Monday & Wednesday   12:20 – 1:00pm   **Tutoring Center**
            Monday & Wednesday   3:30 – 5:45pm   **STEAM 325-07**
            Tuesday   2:45pm – 3:45pm   **Online**
            Friday   10:50am – 11:30am   **Tutoring Center**

Required Textbook: The textbook for this course is: **Prealgebra, Eighth Edition, By Elayn Martin-Gay, Pearson Education.** Textbooks and/or courseware will be available through VitalSource digitally. Cost of the course materials: $70.30, **which has already been paid for with your tuition**. The course materials will be available on the first day of class and you will be given the opportunity to opt-out of the e-book prior to the census day of the class. If you choose to opt out then you will not be able to submit any of your assignments, which will lead to not being successful in the class. You will receive an email with more information about the use of the course materials closer to the start of the semester. The homework and quizzes as well as the e-text and videos for this course are online at mymathlab through Brightspace.

Textbook Purchasing Statement: E-Book via MyLab Math in Brightspace - D2L
                                (No Purchase Necessary, unless you Opt Out)

Course Description: This course prepares students for a college-level courses in either Statistical Reasoning or Contemporary Mathematics. Topics include numeracy with an emphasis on estimation and fluency with large numbers; evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving equations; linear models; data interpretations, including graphs and tables; verbal, algebraic and graphical representations of functions; exponential models.

Course requirements (including description of any special projects or assignments):
    1. Four Chapter Tests
    2. Comprehensive Final Exam
    3. Online Homework Assignments (My Math Lab/Brightspace)
    4. Online Quizzes (My Math Lab/Brightspace)

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%)	**64%**
Final Exam	**16%**

Homework Assignments on MyLab Math: There is a homework assignment for each section covered in class. These are listed on the course outline beginning on **page 4** of this syllabus. Twenty percent will be deducted from the score of a homework assignment if it is finished by 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 may serve 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 MyLab Math: There are four quizzes which relate to the student learning outcomes. They are to be done on MyLab Math. 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 can only be taken twice. If not taken by its due date 20% will be deducted. 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 MyLab Math.

Four Chapter Exams: There are four exams which cover the chapters in the textbook. 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 before the exam 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. <u>Exams may not be retaken</u>. 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. **<u>The final exam will replace your lowest test score .</u>**

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

Attendance Policy: Students at COM are expected to attend and participate in every session of all classes for which they are registered. Regular attendance is a critical component to being successful in courses. For this online class, you are responsible for watching the video and use the video notes for each section. There is a strong correlation between excessive absences and failing grades. If you do not

make the time to watch these videos, it may lead to being unsuccessful in class. It is extremely difficult to succeed in this course without having good attendance.

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.

Student Learning Outcomes:

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		

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.

The scientific calculator TI-30XIIS is required for this course. *Graphing calculators and unapproved calculators are not permitted when testing. Using a calculator for tests that is not approved will be considered cheating.*

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.

Course outline:

Week	Dates	Math 0306-150	Due Dates
1	August 28, 30 September 1	*Syllabus- Welcome Video* 1.2 Place Value, Names for Numbers & Reading Tables 1.3 Adding & Subtracting Whole Numbers and Perimeter 1.4 Rounding and Estimating 1.5 Multiplying Whole Numbers and Area 1.6 Dividing Whole Numbers 1.7 Exponents and Order of Operations 1.8 Introduction to Variables, Algebraic Expressions, and Equations **Quiz 1: Chapter 1**	All Week 1 assignments are due 9/4/23 by 11:59PM
2	September 6, 8	2.1 Introduction to Integers 2.2 Adding Integers 2.3 Subtracting Integers 2.4 Multiplying and Dividing Integers 2.5 Order of Operations 2.6 Solving Equations: Review of the Addition and Multiplication Properties *Review for Exam 1*	All Week 2 assignments are due 9/11/23 by 11:59PM
3	September 11, 13, 15	**Exam 1: Chapters 1 and 2** 3.1 Simplifying Algebraic Expressions 3.2 Solving Equations: Review of the Addition and Multiplication Properties 3.3 Solving Linear Equations in One Variable 3.4 Linear Equations in One Variable and Problem Solving	All Week 3 assignments are due 9/18/23 by 11:59PM
4	September 18, 20, 22	**Quiz 2: Chapter 3** 4.1 Introduction to Fractions and Mixed Numbers 4.2 Factors and Simplest Form 4.3 Multiplying and Dividing Fractions 4.4 Adding and Subtracting Like Fractions, Least Common Denominator, and Equivalent Fractions	All Week 4 assignments are due 9/25/23 by 11:59PM
5	September 25, 27, 29	4.4 Adding and Subtracting Like Fractions, Least Common Denominator, and Equivalent Fractions 4.5 Adding and Subtracting Unlike Fractions 4.7 Operations on Mixed Numbers 4.8 Solving Equations Containing Fractions *Review for Exam 2*	All Week 5 assignments are due 10/2/23by 11:59PM
6	October 2, 4, 6	**Exam 2: Chapters 3 and 4** 5.1 Introduction to Decimals 5.2 Adding and Subtracting Decimals 5.3 Multiplying Decimals and Circumference of a Circle 5.4 Dividing Decimals	All Week 6 assignments are due 10/9/23 by 11:59PM
7	October 9, 11, 13	5.4 Dividing Decimals 5.5 Fractions, Decimals, and Order of Operations 5.6 Solving Equations Containing Decimals 5.7 Decimal Applications: Mean, Median, and Model **Quiz 3: Chapter 5**	All Week 7 assignments are due 10/16/23 by 11:59PM
8	October 16, 18, 20	6.1 Ratios and Rates 6.2 Proportions 6.3 Proportions and Problem Solving **Quiz 4: Chapter 6** 7.1 Percents, Decimals, and Fractions 7.2 Solving Percent Problems with Equations	All Week 8 assignments are due 10/23/23 by 11:59PM

9	October 23, 25, 27	7.3 Solving Percent Problems with Proportions 7.4 Applications of Percent 7.5 Percent and Problem Solving: Sales Tax, Commission, and Discount 7.6 Percent and Problem Solving: Interest *Review for Exam 3*	All Week 9 assignments are due 10/30/23 by 11:59PM
10	October 30, November 1, 3	**Exam 3: Chapters 5, 6 and 7** 8.1 Pictographs, Bar Graphs, Histograms, Line Graphs, and Introduction to Statistics 8.2 Circle Graphs 8.3 The Rectangular Coordinate System and Paired Data	All Week 10 assignments are due 11/6/23 by 11:59PM
11	November 6, 8, 10	8.4 Graphing Linear Equations in Two Variables **Quiz 4: Chapter 8** 9.2 Perimeter 9.3 Area, Volume, and Surface Area 9.4 Linear Measurement (US & Metric units of length)	All Week 11 assignments are due 11/13/23 by 11:59PM
12	November 13, 15, 17	9.5 Weight and Mass (US & Metric units of weight and mass) 9.6 Capacity (US & Metric units of volume) 9.7 Temperature and Conversions Between the U.S. and Metric Systems *Review for Exam 4*	All Week 12 assignments are due 11/20/23 by 11:59PM
13	November 20, 22	**Exam 4: Chapters 8 and 9**	All Week 13 assignments are due 11/27/23 by 11:59PM
14	November 27, 29, December 1	Review for Final Exam **Comprehensive Final Exam**	All Week 14 assignments are due 12/4/23 by 11:59PM
15	December 4, 6, 8	Only Math 1332	All Week 15 assignments are due 12/11/23 by 11:59PM
16	December 11, 13	Only Math 1332	All Week 16 assignments are due 12/11/23

PLEASE NOTE: The syllabus is subject to change at the discretion of the instructor.
Census Day – September 13, 2023
W-Day – November 28, 2023

Institutional Policies and Guidelines

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://www.com.edu/student-services/docs/Student_Handbook_2023-2024_v2.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.*

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. 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 Kimberly Lachney at 409-933-8919 or klachney@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

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.

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 permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 11. The last date to withdraw from the 16-week session is November 28. The last date to withdraw for the 2nd 8-week session is December 7.

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. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are 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.

Resources to Help with Stress:
If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here https://www.com.edu/community-resource-center/. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.