



MATH 1314-253CL

College Algebra

SPRING 2022

Lecture: 6:00pm – 7:20pm MW STEAM Room 105

Lecture: 7:30pm – 8:50pm MW STEAM Room 105

Lab: 8:51pm – 9:20pm W STEAM Room 105

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: All office hours will be held Virtually

Schedule your time via <https://calendly.com/gpena3>

Monday & Wednesday 3:30 pm – 6:00 pm

Tuesday & Thursday 8:15 am – 9:30 am

Required Textbook: College Algebra, by Beecher, Penna, Bittinger, fifth edition, published by Pearson. The homework and quizzes as well as the e-text and videos for this course are online. The access code for MyMathLab may be purchased with the textbook or may be purchased separately online at

<https://mlm.pearson.com/northamerica/mymathlab/> You need the access code and the course code (**the course code is pena18093**) 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: This course is designed to develop skills and understanding in the following areas: relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations. This course does not transfer.

Course requirements (including description of any special projects or assignments):

1. Four Chapter Tests
2. Comprehensive Final Exam
3. *MyMathLab (MML)* Online Assignments
4. Quizzes Assignments

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

<i>My Math Lab</i> Homework	10%
Quiz Average	10%
Chapter Exam (Each Exam is 16%)	64%
Final Exam	16%

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 4** of this syllabus. Twenty (20) points will be deducted from the score of a homework assignment if it is finished by the due date & time. Although the homework is online at Pearson MyMathLab, 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 MyMathLab: There are four 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 & Final Exam: 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 prior to 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. You are only allowed to make-up 1 exam in the semester, given that any necessary paperwork is provided. Exams may not be retaken. However, if the grade on the Final Exam is higher than the lowest chapter exam grade, **the Final Exam will replace your lowest Exam score .**

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. College of the Mainland recognizes no excused absences other than those prescribed by law. There is a strong correlation between excessive absences and failing grades. It is extremely difficult to succeed in this course without having good attendance. Students with excessive absences will be referred to Student Services. Students should consult information provided in My Math Lab and the course calendar when it becomes necessary to miss a class in order to be prepared when they return to class. If you are absent, you are still responsible for the work that was to be finished by the next class.

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. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS)

Student Learning Outcomes

Student Learner Outcomes	Maps to Core Objective	Assessed via this assignment
1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.	Critical Thinking Skills (CT)	Exam
2. Recognize and apply polynomial, rational, exponential and logarithmic functions and solve related equations.	Critical Thinking Skills (CT)	Exam
3. Apply graphing techniques.	Visual Communication Skills (CS)	Quiz
4. Evaluate all roots (zeros) of higher degree polynomials and rational functions.	Critical Thinking Skills (CT)	Quiz
5. Recognize, solve and apply systems of linear equations using matrices.	Empirical and Quantitative Skills (EQS)	Exam

The Core Objective being assessed this semester is Communication.

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.

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

Week	Dates	Math 0315 (Dues Dates On MATH 0315 Syllabus)	Math 1314-253	Due Dates (By 11:59PM)
6	February 21, 23	Test 3: 1.4 & Chapter 5 (In Class – 2/21/2022)) 6.1 Rational Expressions, Simplifying, Multiplication, Division 6.2 Addition, Subtraction of Polynomials	Syllabus 1.1 Introduction to Graphing 1.2 Functions and Graphs	2/21/2022 2/25/2022 2/27/2022
7	February 28, March 2	3.6 Graphing Functions	1.3 Linear Functions, Slope, and Applications 1.4 Equations of Lines 1.5 Linear Equations, Functions, Zeros, Applications Quiz 1 (Sections 1.1-1.5) 2.1 Increasing, Decreasing, and Piecewise Functions 2.2 The Algebra of Functions	3/4/2022 3/4/2022 3/6/2022 3/6/2022 3/6/2022 3/6/2022
8	March 7, 9	7.2 Radical Expressions and Functions (Square Root Only) 7.3 Simplifying, Adding and Subtracting Radicals	2.3 The Composition of Functions 2.5 Transformations Test 1 Review (In Class – 3/7/2022) Test 1 (Chapters 1 & 2) (In Class – 3/9/2022) 3.2 Quadratic Equations, Functions, Zeros, Models	3/11/2022 3/20/2022 3/7/2022 3/9/2022 3/20/2022
9	March 21, 23	7.4 Multiplying, Dividing Radical Quiz D: Sections 7.2, 7.3, 7.4	3.3 Analyzing Graphs of Quadratic Functions 4.1 Polynomial Functions 4.2 Graphing Polynomial Functions 4.3 Remainder and Factor Theorems 4.5 Rational Functions	3/25/2022 3/27/2022 3/27/2022 3/27/2022 3/27/2022
10	Mar. 28, 30	7.6 Complex Numbers (No Division)	4.6 Polynomial and Rational Inequalities Quiz 2 (Sections 3.2, 4.3 & 4.5) Test 2 Review (In Class – 3/28/2022) Test 2 (Chapters 3, 4) (In Class – 3/30/2022) 5.1 Inverse Functions 5.2 Exponential Functions and Graphs	4/1/2022 4/3/2022 3/28/2022 3/30/2022 4/3/2022 4/3/2022
11	April 4, 6	Review Chapters 6 & 7 (In Class – 4/4/2022)	5.3 Logarithmic Functions and Graphs Quiz 3 (Sections 5.1-5.3) 5.4 Properties of Logarithmic Functions 5.5 Solving Exponential and Logarithmic Equations	4/8/2022 4/10/2022 4/10/2022 4/10/2022
12	April 11, 13	Test 4: Chapters 6, 7 (In Class – 4/11/2022)	5.6 Applications Test 3 Review (In Class – 4/11/2022) Test 3: Chapter 5 (In Class – 4/13/2022)	4/17/2022 4/11/2022 4/13/2022
13	April 18, 20	Final Exam Review (In Class – 4/18/2022)	6.1 Systems of Equations in Two Variables 6.3 Matrices and Systems of Equations	4/22/2022 4/24/2022
14	April 25, 27	Final Exam ((In Class – 4/25/2022)	6.2 Systems of Equations in Three Variables 6.4 Matrix Operations Quiz 4 (Sections 6.1-6.4)	4/29/2022 5/1/2022 5/1/2022
15	May 2, 4		Test 4 Review (In Class – 5/2/2022) Test 4: Chapter 6 (In Class – 5/4/2022) Review for Final Exam (In Class – 5/4/2022)	5/2/2022 5/4/2022 5/4/2022
16	May 9, 11		Review for Final Exam (In Class – 5/9/2022) Final Exam (In Class – 5/11/2022)	5/9/2022 5/11/2022

PLEASE NOTE: The syllabus is subject to change at the discretion of the instructor.

Census Day – February 2, 2022

W-Day – April 25, 2022

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://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 careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

Unattended Minors/Children in Class: For their safety, unattended minors of students are not permitted on campus while students are in class. In consideration of fellow classmates and staff, please do not bring children/anyone to class.

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 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 set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

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 March 6. The last date to withdraw from the 16-week session is April 25. The last date to withdraw for the 2nd 8-week session is May 4.

F_N Grading: The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N 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 F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N 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.

COVID-19 Statement: All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at www.com.edu/coronavirus. In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance, when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit com.edu/coronavirus for future updates.