

College Algebra / MAT 1313

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Course Description

A study of algebraic operations, linear and quadratic equations, systems of equations, complex numbers, polynomials, rational expressions, logarithms, exponents and applications.

Goals and Objectives

The student will gain an understanding of the mathematical topics that all college students must possess. The topics covered will be linear and quadratic functions, polynomials, logarithms and exponents, systems of equations, and applications

Course Materials

MyMathLab, Pearson Education's online learning component will be used for homework, tests, tutorials, etc. The corresponding textbook is College Algebra 4/e by Judith Beecher , Judith Penna and Marvin Bittinger. For this online class you will use an eBook. You do not have to purchase this at the bookstore. An eBook fee will be added to your PRCC student account. Access to MyMathLab is included with the eBook. Scientific calculators may be used for homework and tests. I recommend the TI-30X-IIS calculator. This calculator is the one that you will see used in the videos.

Instructional Techniques

All class notes and video lectures will be found in MyMathLab which is the online component of the course. Video Lectures will be used as well as animations and other teaching aids. Weekly online homework assignments online quizzes, and online tests will be required and completed in MyMathLab. Students will participate in discussion boards to facilitate learning. The instructor will be available to assist by email, phone, or appointment.

Outcome Competencies

The student will develop proficiency with linear and quadratic functions, polynomials, logarithms, and systems of equations, expand their understanding of mathematical concepts, and improve their logical thinking.

Student Learning Outcomes

The student will solve quadratic equations.

The student will demonstrate knowledge of functions and their behavior.

The student will graph polynomial functions.

The student will derive mathematical solutions for real world situations.

The student will solve logarithmic equations.

Methods of Evaluation

Homework, quizzes, tests, and a proctored comprehensive final exam all completed in MyMathLab will be used for grading and evaluation.

Attendance

Attendance will be taken in all PRCC online courses. In this course, assignments will be announced on the opening announcement page and homework in MyMathLab will be graded weekly. You are encouraged to log in each day to check your email and to check for new announcements that may be posted concerning upcoming assignments and/or deadlines. Online instruction differs fundamentally from traditional classroom instruction in that students may access the online resources at times that are convenient to the student's personal schedule within a range of times defined by the instructor. However, consistent attendance is required to successfully complete an online course. A student participating in a PRCC online short term course will be allowed one (1) absence. Upon the second absence, the student will be administratively withdrawn from the course. For summer online courses a student will be dropped for excessive absences upon accrual of two absences. The submission of weekly homework assignments constitutes the method in which attendance is recorded; therefore, not submitting three weekly assignments will be regarded as three absences.

Extenuating circumstances do occur, such as an extreme illness, death in the family, legal matters, or military duty. It is the student's responsibility to provide appropriate documentation to substantiate such circumstances, at which time the instructor will determine if an extension is warranted. Students and instructors of online courses will adhere to the academic calendar and the process of appeal.

Circumstances NOT considered extenuating:

- registering late for class
- failure to read the syllabus
- failure to plan appropriately
- not having the appropriate textbook or software
- technical problems

Grading

A - 90-100

B - 80-89

C - 70 - 79

D - 60 - 69

F - below 60

Graded Homework: 25%

Graded Module Tests and Quizzes: 50%

Proctored Final Examination: 25%

Prerequisites

A score of 19 on the mathematics portion of the Enhanced ACT, High School Algebra (two units with grade of C or better) or MAT 1233 with grade of C or better.

Policies

All students will be expected to follow the policies dealing with attendance, grading, makeup, withdrawal from class, and withdrawal from school as stated in the current Cat Country Guide, the student handbook.

Academic Honesty

MSVCC Honesty Policy:

A hallmark of any profession is integrity and honesty. Academic honesty is expected of all students; therefore, each student is expected to complete his/her own work. Academic misconduct includes, but is not limited to, deceptive acts such as the following:

- a. plagiarizing from any source
- b. cheating in any manner on test, papers, reports, etc.
- c. turning in work as their own when, in fact, it was not their work
- d. improperly using technology
- e. stealing, buying, or selling course materials
- f. either impersonating another student during a test or having another person assume ones identity during a test
- g. deliberately conveying false or misleading information

Pearl River Community College reserves the right to discipline any student who in the judgment of the PRCC administration violates the Code of Student Conduct. The instructor has the responsibility of assigning an appropriate penalty in accordance with the institutional policy. Any student caught cheating in this course will receive a grade of 0 on the assignment or test. If a student is caught cheating a second time, the student will be required to report to the Director of eLearning with an instructor recommendation that the student be removed from the class and receive a grade of F for the course. Any student caught cheating on the final exam will receive a grade of 0 for the exam and will not be allowed to retake it. Any serious infraction as stated in the MSVCC Honesty Policy may result in the student being removed from the course with a grade of F and the student will no longer be allowed to enroll in online courses at PRCC. As stated in the Cat Country Guide: "All rules related to student conduct will be strictly enforced by the college and sanctions may range from disciplinary probation to dismissal from the college."

Testing

Seven module tests will be given as well as a comprehensive final examination. The final examination will be a proctored test. All tests are timed tests. Students are allowed 75 minutes to complete each module test and 120 minutes to complete the final exam.

Proctored Test Information

Proctored Final Examination – The exam will close at noon on Friday, May 5th..

You will have 2 hours to complete the exam with one attempt.

Grades First

PRCC Students: GradesFirst is an online tool where you can email your instructors, view your schedule, contact advisors, and look up midterm and final grades. GradesFirst is used by instructors to track your absences. Once you are marked absent for a given day, you will receive an automated email from GradesFirst notifying you of the absence.

ADA Statement

If you have a disability that qualifies under the Americans with Disabilities Act and you require special assistance or accommodations, you should contact the designated coordinator for your campus for information on appropriate guidelines and procedures: Poplarville Campus, Tonia Moody at 601-403-1060 or tmoody@prcc.edu; Forrest County Center, Beth Strahan at 601-554-5530 or bstrahan@prcc.edu; Hancock Center, Raymunda Barnes at 228-252-7000 or rbarnes@prcc.edu. Distance Learning Students who require special assistance, accommodations, and/or need for alternate format should contact Tonia Moody at tmoody@prcc.edu.