Instructor: Ms. S. Miller
Section # and CRN: Z01 and 32712
Office Location: Virtual Office online
Office Phone: 936.261.
Email Address: shmiller@pvamu.edu
Office Hours: Virtual: MW: 11:00 a.m.-12:30 p.m.
Mode of Instruction: Distance Education/Zoom Lecture/Discussion
Course Location: Online
Class Days & Times: Online
Catalog Description: This course will enhance the student’s performance in College Algebra. It improves skills in solving quadratic equations, manipulating polynomials, radicals and exponential expressions. It develops a basic understanding of the mathematical functions and concepts necessary for successfully completing the College Algebra course. A co-requisite course for those students who have not passed TSIA Math and it must be taken in conjunction with College Algebra.

Prerequisites: MATH TSIA <350
Co-requisites: MATH 1113 – College Algebra

Required Texts:
1. The text—either a paper copy or an electronic version,
2. Hawkes Learning—online homework package, and
3. A scientific calculator such as TI-83, or TI-84.

*College Algebra: A Concise Approach*; by Paul Sisson

Student Learning Outcomes:

<table>
<thead>
<tr>
<th>Upon successful completion of this course, students will be able to:</th>
<th>Program Learning Outcome #</th>
<th>Core Curriculum Outcome Alignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Define, represent, and perform operations within the complex number system.</td>
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<tr>
<td>2 Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate (a) absolute value, (b) polynomial, (c) radical, and (d) rational expressions.</td>
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<tr>
<td>3 Model, interpret and justify mathematical ideas and concepts using verbal, algebraic, graphical and tabular representations.</td>
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</table>
Major Course Requirements

Method of Determining Final Course Grade

<table>
<thead>
<tr>
<th>Course Grade Requirement</th>
<th>Value</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance</td>
<td>50%</td>
<td>50</td>
</tr>
<tr>
<td>Daily Participation</td>
<td>50%</td>
<td>50</td>
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<tr>
<td><strong>Total:</strong></td>
<td>100%</td>
<td>100</td>
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</table>

Grading Criteria and Conversion:
A = 90 - 100
B = 80 - 89
C = 70 - 79
D = 60 - 69
F = Below 60

Detailed Description of Major Assignments:
Assignment Title or Grade Requirement Description
Attendance Attendance is mandatory; absences will negatively impact your final grade.
Daily Participation Practice/Homework problems similar to what will be assigned by your College Algebra professor as well as Discussion Questions.

Course Procedures or Additional Instructor Policies
Taskstream
Taskstream is a tool that Prairie View A&M University uses for assessment purposes. One of your assignments may be considered an "artifact," an item of coursework that serves as evidence that course objectives are met. More information will be provided during the semester, but for general information, you can visit Taskstream via the link in eCourses.
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>MATH 1113</th>
<th>MATH 0341</th>
</tr>
</thead>
</table>
| 1    | 05/26-05/29| 2.1 Linear Equations in One Variable  
2.2 Linear Inequalities in One Variable  
1.6 The Complex Number System  
2.3 Quadratic Equations in One Variable  
2.4 Higher Degree Polynomial Equations  
2.5 Rational Expressions and Equations  
2.6 Radical Equations | P.1 Review of Real Numbers and Their Properties: Basic Rules of Algebra; 
Absolute Value and Distance  
Review Linear Inequalities in One Variable (solving, graphing and interval notation)  
P.2 Exponents and Radicals: 
Review the Quadratic Formula and 
P.4 Factoring Polynomials  
Rationalizing Denominators  
P.5 Rational Expressions: Operations with Rational Expressions |
|      |            | **EXAM 1**                                                                 |                                                                           |
| 2    | 06/01-06/05| 3.1 The Cartesian Coordinate System  
3.2 Linear Equations in Two Variables  
3.3 Forms of Linear Equations  
3.4 Parallel and Perpendicular Lines  
3.5 Linear Inequalities in Two Variables  
3.6 Introduction to Circles | Review the Rectangular Coordinate System (plotting points, slopes of lines, x and y-intercept of lines, distance and midpoint)  
Review inequality symbols and linear inequalities in one variable  
Review properties of circles (center, radius, standard form, etc).  
Review distance formula and midpoint formula |
|      |            | **EXAM 1**                                                                 |                                                                           |
| 3    | 06/08-06/12| 4.1 Relations and Functions  
4.2 Linear and Quadratic Functions  
4.3 Other Common Functions  
4.4 Transformation of Functions  
4.5 Combining Functions  
4.6 Inverse functions | Review Order of Operations  
Review Ordered Pairs  
Review the Quadratic Formula (section 2.3)  
Review solving equations given a value for a variable  
P.1 Review of Real Numbers and Their Properties: Algebraic Expressions  
Solving a formula for one of its variables  
Review Shifting, Reflecting, and Stretching graphs |
|      |            | **EXAM 2**                                                                 |                                                                           |
| 4    | 06/15-06/19| 5.1 Introduction to Polynomial Equations and Graphs  
5.2 Polynomial Division and the Division Algorithm  
5.3 Locating the Real Zeros of Polynomials  
5.4 The Fundamental Theorem of Algebra  
7.1 Exponential Functions and their Graphs  
7.2 Applications of Exponential Functions | Review parts of long division problems  
Review long division on polynomials  
P.4 Factoring Polynomials  
Review finding x-intercepts of a graph  
Review Order of Operations and evaluating exponential expressions  
P.2 Exponents and Radicals: Radicals and Their Properties, Rational Exponents  
Review Sketching the Graph of an Equation |
<p>| | | | |
|      |            |                                                                           |                                                                           |</p>
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<tr>
<th></th>
<th>Date</th>
<th>Topics</th>
<th>HW problems worked on</th>
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<tbody>
<tr>
<td>5</td>
<td>06/22-06/26</td>
<td>7.3 Logarithmic Functions and their Graphs</td>
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<td>7.4 Properties and Applications of Logarithms</td>
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<td>7.5 Exponential and Logarithmic Equations</td>
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<td>8.1 Solving Systems by Substitution and Elimination</td>
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<td>8.2 Matrix Notations and Gaussian Elimination</td>
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<td>8.4 The Algebra of Matrices</td>
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<td>Review Laws of Exponents</td>
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<td>Review Transforming the Graph of a Function</td>
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<td>Solve 2-variable System of Equations</td>
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<tr>
<td>6</td>
<td>06/29</td>
<td>EXAM 3-Final Exam</td>
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Student Support and Success

John B. Coleman Library
The library and its partners have as their mission "to provide resources and instructional material in support of the evolving curriculum, as a partner in Prairie View A&M University's mission of teaching, research, and service" and to support the University's core values of "access and quality, diversity, leadership, relevance, and social responsibility" through emphasis on ten key areas of service. It maintains library collections and access both on campus, online, and through local agreements to further the educational goals of students and faculty.

Center for Academic Support
The Center for Academic Support (CAS) offers Tutoring via peer tutoring. The services include workshops (i.e., Save My Semester, Recalculate Your Route), seminars (i.e., Tools You Can Use: TI-84), group review sessions (i.e., College Algebra Topic Reviews, GRE Preparation), group study opportunities (i.e., TSIA, HESI, Study Break, Exam Cram), and test-taking strategies (How to take Notes, Study Buddy, 5 Day Study Guide). The Tutoring Center is a nationally certified tutoring program through the National Tutoring Association. The peer tutors are trained and certified by the coordinator each semester. Location: J.B. Coleman Library

COMPASS
The Center for the Oversight and Management of Personalized Academic Student Success (COMPASS) is designed to help Prairie View students in their second year and beyond navigate towards graduation by providing the following services: Academic Advisement, Targeted Tutorials for Personalized Learning, Campus-Wide Referrals, and Academic & Social Workshops. Location: J.B. Coleman Library

Writing Center
The Writing Center provides student consultants on all aspects of the writing process and a variety of writing assignments. Writing Center consultations assist students in such areas as prewriting, brainstorming, audience awareness, organization, research, and citation. Location: John B. Coleman Library room 209.

University Rules and Procedures

Disability statement (See Student Handbook):
Students with disabilities, including learning disabilities, who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

Academic Integrity/ Misconduct (See Student Handbook):
you are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

Forms of academic dishonesty:
1. Cheating: deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.

2. Academic misconduct: tampering with grades or taking part in obtaining or distributing any part of a scheduled test.

3. Fabrication: use of invented information or falsified research.

4. Plagiarism: unacknowledged quotation and/or paraphrase of someone else’s words, ideas, or data as one’s own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one’s own work also constitutes plagiarism.

Nonacademic misconduct (See Student Handbook)
The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the
instructor’s ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under nonacademic procedures.

Sexual misconduct (See Student Handbook):
Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.

Attendance Policy
Prairie View A&M University requires regular class attendance. Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student’s course grade being reduced or in assignment of a grade of “F”. Absences are accumulated beginning with the first day of class.

Student Academic Appeals Process
Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor’s assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.

Disability statement (See Student Handbook):
Students with disabilities, including learning disabilities, who wish to request accommodations in class should register with the Services for Students with Disabilities (SSD) early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

Veteran Affairs:
Veterans Services works with student veterans, current military and military dependents to support their transition to the college environment and continued persistence to graduation. The Office coordinates and certifies benefits for both the G.I. Bill and the Texas Hazlewood Act. Location: Evans Hall Rm. 323. Phone: 936-261-3563

Title IX Statement:
Prairie View A&M University (PVAMU) is committed to supporting students and complying with the Texas A&M University System non-discrimination policy. It seeks to establish an environment that is free of bias, discrimination, and harassment. If you experience an incident of sex- or gender-based discrimination, including sexual harassment, sexual assault or attempted sexual assault, we encourage you to report it. While you may talk to a faculty member about an incident of misconduct, the faculty member must report the basic facts of your experience to Ms. Alexia Taylor, PVAMU’s Title IX Coordinator. If you would like to speak with someone who may be able to afford you privacy or confidentiality, there are individuals who can meet with you. The Title IX Coordinator is designated to handle inquiries regarding non-discrimination policies and can assist you with understanding your options and connect you with on- and off-campus resources. The Title IX Coordinator can be reached by phone at 936-261-2123 or in Suite 013 in the A.I. Thomas Administration Building

TECHNICAL CONSIDERATIONS

Minimum Recommended Hardware and Software:
- Intel PC or Laptop with Windows 7; Mac with OS X; Smartphone or iPad/Tablet with Wi-Fi
- High speed Internet access
- 8 GB Memory
- Hard drive with 320 GB storage space
- 15” monitor, 800x600, color or 16 bit
- Sound card w/speakers
- Microphone and recording software
- Keyboard & mouse
- Most current version of Google Chrome, Safari, Internet Explorer or Firefox

Note: Be sure to enable Java & pop-ups
Participants should have a basic proficiency of the following computer skills:
- Sending and receiving email
- A working knowledge of the Internet
- Proficiency in Microsoft Word (or a program convertible to Word)
- Proficiency in the Acrobat PDF Reader
- Basic knowledge of Windows or Mac O.S.

**Technical Support:**
Students should go to [https://mypassword.pvamu.edu/](https://mypassword.pvamu.edu/) if they have password issues. The page will provide instructions for resetting passwords and contact information if login issues persist. For other technical questions regarding eCourses, call the Office of Distance Learning at 936-261-3283.

**Netiquette:**
First and foremost, please remember to do unto others as you would have them to do unto you. As you are free to give your comments/explanations on how a problem may be worked, please do not use any language that would de-grade or be offensive to your fellow-online classmate. You are expected to participate in all discussions and virtual classroom chats as directed.
- Do not type in all caps.
- No Profanity
- Use proper English and complete sentences
- Please present any comments in a warm way, even when typing
- Remember, we want to maintain a pleasant learning environment

**Communication Expectations and Standards:**
As this is an online or hybrid class, the most effective way of communication will be via email. I will be checking my email periodically during a day’s time and will also use Canvas Course Announcement to post any important announcement about the course. Please make certain you as the learner are also checking your email and course announcements on a regular basis, at least twice a day.
- Emails or discussion postings will receive a response from the instructor, usually in less than 48 hours. Urgent emails should be marked as such. Check regularly for responses.

**Discussion Requirement:**
Online courses often require minimal to no face-to-face meetings. However, conversations about the readings, lectures, materials, and other aspects of the course can take place in a seminar fashion. This will be accomplished by the use of the discussion board. The exact use of discussion will be determined by the instructor.

It is strongly suggested that students type their discussion postings in a word processing application and save it to their PC or a removable drive before posting to the discussion board. This is important for two reasons: 1) If for some reason your discussion responses are lost in your online course, you will have another copy; 2) Grammatical errors can be greatly minimized by the use of the spell-and-grammar check functions in word processing applications. Once the post(s) have been typed and corrected in the word processing application, it should be copied and pasted to the discussion board.