SYLLABUS

MATH 0341 – Comprehensive Math Skills for College Algebra
Spring 2019

Instructor:	James Williams
Section # and CRN:	P02 and 1930-32723
Office Location:	Delco 158
Office Phone:	936.261.3667
Email Address:	jawilliams@pvamu.edu
Office Hours:	M-F: 1-2
Mode of Instruction:	Face to Face

Course Location:	241 Delco
Class Days & Times:	MTWTH 11-12:50pm
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 Score 336 – 349; MATH TSIA Score 310 – 335 and ABE Diagnostic Level of 5/6; or successful completion of Math 0100**
Co-requisites:	MATH 1113 – College Algebra

Required Texts:	1. The text-either a paper copy or an electronic version, 2. WebAssign-an online homework package, and 3. A scientific calculator such as TI-83, or TI-84. **College Algebra**, 10th Edition; by Ron Larson ISBN: 978-1-337-28229-1, Cengage, 2017

Student Learning Outcomes:

	Upon successful completion of this course, students will be able to:	Program Learning Outcome # Alignment	Core Curriculum Outcome Alignment
1	Define, represent, and perform operations within the complex number system.		
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.		
3	Model, interpret and justify mathematical ideas and concepts using		

verbal, algebraic, graphical and tabular representations.		

Major Course Requirements

Method of Determining Final Course Grade

Course Grade Requirement	Value	Total
Attendance	30%	30
Daily Participation	30%	30
Quizzes	40%	40
Total:	**100%**	**100**

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	TBD by Instructor.
Quizzes	Written, in-class assessment of students' knowledge of concepts from selected sections in MATH 1113 / MATH 0341.

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.

Cell Phones

Usage of cellular devices and/or tablets or any other electronic devices are not permitted during Quizzes or Exams. Phones and tablets and any other electronic devices should be set to silent or off during class and should be stored away out of site. If you use your electronic device during any quiz and /or exam, your scores may be forfeited.

Semester Calendar (subject to change)

Week	Date	MATH 1113	MATH 0341
1	01/14-01/18	1 Introduction to WebAssign, Pretest 1.1 Graphs of Equations 1.2 Linear Equations in One Variable	P.1 Review of Real Numbers and Their Properties: Basic Rules of Algebra; Absolute Value and Distance
2	01/21-01/25 (**Martin Luther King HOLIDAY: 01/21**)	1.3 Modeling with Linear Equations 1.4 Quadratic Equations and Applications	P.2 Exponents and Radicals: Rationalizing Denominators
3	01/28-02/01	1.5 Complex Numbers 1.6 Other Types of Equations	Review the Quadratic Formula (Section 1.4) P.4 Factoring Polynomials
4	02/04-02/08	**Review, Exam 1 (Covers 1.1 – 1.6)**	Review for Exam 1
5	02/11-02/15	1.7 Linear Inequalities in One Variable 1.8 Other Types of Inequalities	Order of Operations P.1 Review of Real Numbers and Their Properties: Algebraic Expressions
6	02/18-02/22	2.1 Linear Equations in Two Variables 2.2 Functions 2.3 Analyzing Graphs of Functions	P.6 The Rectangular Coordinate System: The Cartesian Plane Activity: Transformation of Functions - A Visual Experience
7	02/25-03/01	2.4 A Library of Parent Functions 2.5 Transformation of Functions 2.6 Combination of Functions: Composite Functions	P.3 Polynomials and Special Products: Operations with Polynomials P.5 Rational Expressions: Operations with Rational Expressions Solving a formula for one of its variables
8	03/04-03/08 (**MIDTERM: 03/07-03/09**)	**Review, Exam 2 (Midterm; Covers 1.7,1.8, and 2.1-2.6)**	Review for Mid-Term
9	03/11-03/15	**SPRING BREAK**	**SPRING BREAK**
10	03/18-03/22	2.7 Inverse Functions 3.1 Quadratic Functions and Models 3.2 Polynomial Functions of Higher Degree	Review Shifting, Reflecting, and Stretching graphs (Section 2.5) Review Completing the Square and the Quadratic Formula (Section 1.4)
11	03/25-03/29 (**Founder's Day Honors Convocation 03/27**)	3.3 Polynomial and Synthetic Division 3.4 Zeros of Polynomial Functions 4.1 Rational Functions and Asymptotes	P.4 Factoring Polynomials Review Long Division of Polynomials (Section 3.3)
12	04/01-04/05	4.2 Graphs of Rational Functions 5.1 Exponential Functions and Their Graphs 5.2 Logarithmic Functions and Their Graphs	Review Sketching the Graph of an Equation (Section 1.1) Review Transforming the Graph of a Function (Section 2.5)
13	04/08-04/12	Review, Exam 3 (Covers 2.7 – 5.2)	Review for Exam 3
14	04/15-04/19 (**Good Friday Holiday: 04/19**)	5.3 Properties of Logarithms 5.4 Exponential and Logarithmic Equations 5.5 Exponential and Logarithmic Models	P.2 Exponents and Radicals: Radicals and Their Properties, Rational Exponents
15	04/22-04/26	6.1 Linear and Nonlinear Systems of Equations 6.2 Two-Variable Linear Systems 6.3 Multivariable Linear Systems 7.4 Determinants of 2×2 matrices	P.4 Factoring Polynomials Review Graphing Equations (Section 1.1) 6.1 Solve 2-variable System of Equations

16	04/29-05/03 (COURSE REVIEW DAYS: 04/29-04/30)	**7.1 Matrices and Systems of Equations** **7.2 Operations with Matrices** **7.4 Determinants of a Square Matrix (2x2 matrices only).**	Review for Final Exam
17	05/06-05/07	**Final Exams**	

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: Hilliard Hall 121

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 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.

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.

Netiquette **(online etiquette):**
Students are expected to participate in all discussions and virtual classroom chats as directed. Students are to be respectful and courteous to others on discussions boards. Foul or abusive language will not be tolerated.

*Technical Support***:**
Students should go to 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

*Communication Expectations and Standards***:**
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.