South Plains College
Common Course Syllabus: MATH 1314
Spring 2021

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 1314

Course Title: College Algebra

Available Formats: conventional/flex, internet, and ITV

Campuses: Levelland, Reese, Plainview, Lubbock Center, and Dual Credit

Course Description: In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

Prerequisite: Minimum score of 350 on the TSIA, TSI-exempt status, or a successful completion with a grade of 'C' or better in MATH 0320.

Credit: 3 **Lecture:** 3 **Lab:** 1

This course partially satisfies a Core Curriculum Requirement: Mathematics Foundational Component Area (020)

Core Curriculum Objectives addressed:
- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

Student Learning Outcomes Assessment: A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester.

Course Evaluation: There will be departmental final exam questions given by all instructors.

Attendance/Student Engagement Policy: Attendance and effort are the most important activities for success in this course. The instructor maintains records of the student's engagement throughout the semester. The student will be allowed to miss twenty percent (20%) of class assignments for the semester, **for any reason**. Should this number be exceeded, the instructor has the right to drop the student with a grade of F or an X, depending on the instructor's discretion.

Plagiarism violations include, but are not limited to, the following:
1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:
1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

COVID Statement: It is the policy of South Plains College for the Spring 2021 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning**.** Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Ave, Box 5, Levelland, TX 79336. Phone 806-716-2360.

Title IX Pregnancy Accommodations Statement: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or email cgilster@southplainscollege.edu for assistance.

Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: http://www.southplainscollege.edu/campuscarry.php
Pursuant to PC 46.035, the open carrying of handguns is prohibited on all SPC campuses. Report violations to the College Police Department at 806-716-2396 or 911.

SPC Bookstore Price Match Guarantee Policy: If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester.   The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by* Amazon, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases.   Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester

Spring 2021
Online College Algebra: Math 1314.151

Instructor	Traci Sanders	Phone	716-4616
E-mail	tsanders@southplainscollege.edu	Office	RC 223-C

Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
12:45 – 2:00	9:00 – 11:15	12:45 – 2:00	9:00 – 11:15	8:30 – 9:30 (Virtual)

I will have virtual office hours using zoom on Fridays from 8:30 – 9:30 am. Here is the link to join me: https://southplainscollege.zoom.us/j/98520051275.

If you would like to schedule a zoom meeting for a different time, just send me an email.

Communication: All questions or comments should be sent using Blackboard email. When you log into the course in Blackboard, there is a link to Blackboard email in the main menu on the left side. I will do my best to respond to your email within 24 hours. When I post an announcement on Blackboard, the announcement will also be sent to your SPC email address. Please check your SPC email and your Blackboard email daily!

Tutoring: Free tutoring will be available. The links to SPC Tutoring and Tutor.com are located in the main menu when you log into this course on Blackboard.

Text: No textbook is required.

Required Materials: computer access, printer, webcam, method of scanning, notebook paper, pencils, straightedge, scientific or graphing calculator (cell phones, smart watches, TI-89, TI-92, TI-Nspire calculators, or other electronic devices will not be allowed during quizzes or tests)

Blackboard: https://southplainscollege.blackboard.com
Blackboard is an online course management system. For technical support, call 806-716-2180 or email blackboard@southplainscollege.edu.

Scanning Assignments: Your work will have to be scanned as a pdf file to be uploaded to Blackboard. There are many free mobile apps available for scanning. Some of these are the Notes App (on iPhones), OneDrive (free to SPC students), Scannable, and CamScanner. You do not have to use one of these, but please determine which app you want to use for scanning and then practice scanning multiple pages as one pdf file. The app will allow you to name the file and save it. When you upload to Blackboard, you will click on Browse Local Files and then find the file where you saved it.

Attendance: Your attendance is monitored through completion of assignments. If you miss 5 assignments, the instructor may withdraw you from the course with a grade of X. If you wish to drop this class, you should submit a **Student Initiated Drop Form** online**.**
Students will not be required to obtain an instructor signature to drop, however, students should communicate with instructors or advisors prior to dropping a course when they are able. There will be no charge for drops this semester.

Lesson Videos and Notes: There are videos and notes posted in Blackboard for each section. To find the videos and notes, click on the unit in the main menu and then the section. Print the notes. Watch the videos to fill in the notes and learn the material. On homework, quizzes, and tests, your work needs to follow the work in the videos. If your work does not follow the work in the videos, you will not receive credit. There will be a few times that I will ask you to scan and email me your notes to earn bonus points on quizzes, so make sure you are keeping up with watching the videos and taking notes!

Homework: There is a homework assignment posted in Blackboard for each section. Homework is located in the same folder as the videos and notes. Homework should be completed on notebook paper with work shown. The answers are given so that you can check your answers and make sure you are working the problems correctly. Homework is for practice only and will not count as a grade. The homework will help you prepare for quizzes and tests! There will be a few times that I will ask you to scan and email me your homework to earn bonus points on quizzes or tests, so make sure you are keeping up with the homework!

Quizzes: There will be 14 quizzes. The deadlines for the quizzes are given in the course calendar. The lowest quiz grade will be dropped. The quizzes are located in Blackboard under each Unit. You will be allowed to use notes and homework on the quizzes. You will not be allowed any electronic devices other than a calculator. You will print the quiz and work the problems on the print-out. All pages of the quiz will need to be scanned as **one pdf file** and uploaded to Blackboard. Quizzes are due at 11:59 pm.

Tests: There will be 4 tests and a comprehensive final exam. There will be **NO MAKEUP TESTS!** Dates for all tests are given in the course calendar, so **PLAN AHEAD!** Tests will open one day prior to the deadline. You will be allowed one 8.5" by 11" sheet of notes (front only) on the tests. You will not be allowed any electronic devices other than a calculator. The tests will be found in Blackboard and proctored using an online proctoring program called Proctorio.

Proctorio: Proctorio is a program that we will use to record you as you take your tests. You must use Chrome to take your tests, and you will need to download the Proctorio Chrome Extension. The instructions for downloading and using Proctorio will be posted in Blackboard.

Guidelines for using Proctorio:
• You must show your workspace. Your workspace is your desk area, not just your face. To learn how to show your workspace, there is a file located in Blackboard.
• You must put your cell phone on the corner of your desk in the camera view and you are not allowed to use it during the test.
• You are not allowed to have another person in the camera view or talk to another person.
• You must show your ID right side up. It cannot be sideways or the computer will tag it.
• You must have good light so you are easily seen in the video.
• You are not allowed to move out of the camera view at any time during your test.
• Once you are finished with the test, BEFORE you hit submit, grab your cell phone and take pictures of your work using a mobile scanning app. Once you take the pictures, you are NOT allowed to write anything else on your paper.
• If any one of these guidelines are not followed, you will receive a zero on your test.

Grading Policy: Grades will be averaged according to the following percentages:

Quiz Average	10%	
Test Average	70%	
Final Exam	20%	

There will be a category in the Blackboard gradebook titled Course Average. This is the number you should look at throughout the semester to see your current average in the course. Do not use the Total category to calculate your average. Blackboard automatically creates the Total category, and I cannot delete it. You do not need to pay any attention to it.

Grading Scale:
A: 90 and above, B: 80 – 89, C: 70 – 79, D: 60 – 69, F: 59 or below

Online College Algebra Course Calendar
Spring 2021

This calendar is designed to help you stay on track and manage your time. When you see a particular section on a day, that means that you should print the notes for that section, watch the videos to fill in the notes, and then do the homework on that section. For some sections, you have two days to complete these tasks. However, you do not necessarily have to follow the sections exactly as given on the calendar. Maybe you have more time to work on the weekend, and that is fine as long as the section work is completed in time to take the quizzes and tests by the deadlines. Deadlines are highlighted in yellow and are non-negotiable. The time for all the deadlines is 11:59 pm. Excellent time management is critical to successful course completion!

	Monday	Tuesday	Wednesday	Thursday	Friday
1	Jan 18 **Martin Luther King Holiday**	Jan 19 Factoring Review Day One Checklist	Jan 20 Section 1.1	Jan 21 Section 1.1	Jan 22 Catch Up or Get Ahead!
2	Jan 25 Section 1.2	Jan 26 Section 1.2 Quiz 1: 1.1,1.2 Due	Jan 27 Section 1.3	Jan 28 Section 1.3	Jan 29 Catch Up or Get Ahead!
3	Feb 1 Section 1.4	Feb 2 Section 1.4 Quiz 2: 1.3,1.4 Due	Feb 3 Section 1.5	Feb 4 Section 1.5 Proctorio Practice Due	Feb 5 Catch Up or Get Ahead!
4	Feb 8 Section 1.6	Feb 9 Section 1.6 Quiz 3: 1.5,1.6 Due	Feb 10 Review	Feb 11 Test 1 Due	Feb 12 Catch Up or Get Ahead!
5	Feb 15 Section 2.1	Feb 16 Section 2.2	Feb 17 Section 2.2 Quiz 4: 2.1,2.2 Due	Feb 18 Section 2.3	Feb 19 Catch Up or Get Ahead!
6	Feb 22 Section 2.3	Feb 23 Section 2.4 Quiz 5: 2.3,2.4 Due	Feb 24 Section 2.5	Feb 25 Section 2.5	Feb 26 Catch Up or Get Ahead!

7	Mar 1 Section 2.6 Quiz 6: 2.5,2.6 Due	Mar 2 Section 2.6	Mar 3 Section 2.7	Mar 4 Section 2.7 Quiz 7: 2.7 Due	Mar 5 Catch Up or Get Ahead!
8	Mar 8 Review	Mar 9 Test 2 Due	Mar 10 Section 3.1	Mar 11 Section 3.1	Mar 12 Catch Up or Get Ahead!
9	Mar 15 **Spring Break**	Mar 16 **Spring Break**	Mar 17 **Spring Break**	Mar 18 **Spring Break**	Mar 19 **Spring Break**
10	Mar 22 Section 3.2	Mar 23 Section 3.2 Quiz 8: 3.1,3.2 Due	Mar 24 Section 3.3	Mar 25 Section 3.3	Mar 26 Catch Up or Get Ahead!
11	Mar 29 Section 3.4	Mar 30 Section 3.4 Quiz 9: 3.3,3.4 Due	Mar 31 Section 3.5	Apr 1 Section 3.5 Quiz 10: 3.5 Due	Apr 2 **Easter Break**
12	Apr 5 Review	Apr 6 Test 3 Due	Apr 7 Section 4.1	Apr 8 Section 4.2	Apr 9 Catch Up or Get Ahead!
13	Apr 12 Section 4.2 Quiz 11: 4.1,4.2 Due Online Registration Opens	Apr 13 Section 4.3	Apr 14 Section 4.3	Apr 15 Section 4.4	Apr 16 Catch Up or Get Ahead!

14	Apr 19 Section 4.4 ==Quiz 12: 4.3,4.4 Due==	Apr 20 Review	Apr 21 ==Test 4 Due==	Apr 22 Section 5.1	Apr 23 Catch Up or Get Ahead!
15	Apr 26 Section 5.1	Apr 27 Section 5.2	Apr 28 Section 5.2 ==Quiz 13: 5.1,5.2 Due==	Apr 29 Section 5.3 Last Day to Drop	Apr 30 Section 5.3
16	May 3 Section 5.4	May 4 Section 5.4 ==Quiz 14: 5.3,5.4 Due==	May 5 Review	May 6 Review	May 7 Review
17	May 10 ==Final Exam Due==	May 11	May 12	May 13	May 14

Section Titles

1.1 Linear & Absolute Value Equations
1.2 Linear Inequalities
1.3 Complex Numbers & Simplifying Radical Expressions
1.4 Quadratic Equations: Factoring & Square Root Property
1.5 Quadratic Formula: Complete the Square & Square Root Property
1.6 Rational Equations & Radical Equations

2.1 Distance, Midpoint, & Circles
2.2 Basics of Functions & Analyzing Graphs
2.3 Evaluating Functions & Symmetry
2.4 Increasing, Decreasing, & Piecewise Functions
2.5 Graphs & Transformations
2.6 Functions: Operations & Composition
2.7 Functions: Composition & Inverses

3.1 Linear Functions: Slope, Graph, Parallel, & Perpendicular
3.2 Graph Quadratic Functions
3.3 Synthetic Division & Polynomial Equations
3.4 Graph Polynomial Functions
3.5 Graph Rational Functions

4.1 Polynomial & Rational Inequalities
4.2 Exponential & Log Functions: Basics & Graphs
4.3 Properties of Logs
4.4 Exponential & Log Equations

5.1 Solve Systems in Two Variables & Three Variables
5.2 Nonlinear Systems
5.3 Solve Systems Using Matrices
5.4 Solve Systems Using Cramer's Rule