Math 0314 – 1314 – College Algebra – Spring 2026

Jacqueline Fowler

I. Common Course Syllabus – Math Department Policies

Department: Mathematics, Engineering, and Computer Science
Course Number: MATH 0314
Course Title: College Algebra Support Course

Discipline: Mathematics
Course Number: MATH 1314
Course Title: College Algebra

Available Formats: conventional/flex and internet

Campuses: Levelland, Plainview Center, Lubbock Downtown Center

Course Description: Math 0314 is to be taken concurrently with MATH 1314. Background topics which are necessary for a student to successfully complete MATH 1314 will be covered, with an emphasis on fractions, factoring polynomials, functions, exponents, and operating with radical and rational expressions. Math 1314 is an 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 340 on the TSIA1, minimum diagnostic score of 3 on the TSIA2, successful completion with a grade of 'C' or better in MATH 0315, or successful completion of NCBM-0105.

0314 Credit: 3 **Lecture:** 3 **Lab:** 1 **1314 Credit:** 3 **Lecture:** 3 **Lab:** 1

This course partially satisfies a Core Curriculum Requirement: 0314 - None
1314 - 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.

Attendance/Student Engagement Policy: Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student cannot receive an X, the instructor will assign an F.

II. South Plains College Policies

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.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior**.** 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.

Academic Dishonesty: Academic dishonesty will not be tolerated. Please see the list of things that constitute plagiarism and cheating. If you violate anything on those lists, you will receive a zero on the assignment and could be subject to other actions outlined in the South Plains College Student Code of Conduct. Please note that these actions could include failing the course and being expelled from the college.

South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here: https://www.southplainscollege.edu/syllabusstatements/.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: https://www.southplainscollege.edu/emergency/covid19-faq.php.

*****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.**

III. Section C606 Policies

Instructor Information: Jacqueline Fowler B022 (LBK Downtown Center - Basement)
806-716-4640 jfowler@southplainscollege.edu

Office Hours:

Tuesdays and Thursdays: Fridays:
8:00 – 9:00, 10:45 – 11:00, 12:15 – 1:00, 2:45 – 4:00 8:00 – 9:30

There is no textbook or any required materials for this class. You need to print the notes from Bb in order to keep up in class. You may use a scientific calculator, but graphing calculators must be approved by me**. Some calculators are not allowed, such as the TI-89 or TI-Inspire.**

Blackboard: Blackboard (Bb) is an online course management system that SPC uses for course information. For technical support, call 806-716-2180 or email blackboard@southplainscollege.edu.

Communication: ***All emails must to be sent through Blackboard.*** I will try to respond to all emails within 24 hours, but sometimes it may take longer. Emails sent to me after 9:30 am on Friday may not receive a response until Monday morning. Be professional in your messages. (Do **not** use all caps or text language.)

Dropping the class: If you wish to drop this class, you will need to submit a drop form online (online drop form) or you may visit the Student Services Office.

Final Grade Determination will be based on the following points:

A: 450 – 500 B: 400 – 449 C: 350 – 399 D: 300 – 349 F: 0 – 299

The 0314 course will be pass/fail. Pass: 300 – 500 Fail: 0 – 299

Grading Formula: Completing all submissions and having a strong work ethic are important but do not guarantee a passing grade. However, these two things do increase the likelihood of passing. The final responsibility for learning lies with the student. The final letter grade for this course will be based on the following:

- Unit Quizzes……100 points
- Exams……400 points
- Total……500 points

Homework: Homework is for practice only and will not be counted for a grade. Homework will prepare you for exams, so it is very beneficial to complete all questions.

Unit Quizzes: There will be several unit quizzes in Bb. These will cover definitions and other information from the notes taken in class. These quizzes will be proctored using Honorlock. Misspelled words will be counted wrong. There are no make up quizzes and there are no extensions on any deadlines. If you do not complete the quiz before the deadline, you will receive zero points.

Exams: Four exams will be given this semester. Each exam is worth 100 points. There are no make-up exams. If you miss an exam, you will receive zero points. These exams will be taken during class. Your cell phone must be placed on your desk. If you must go to the restroom, you must leave your cell phone on your desk.

Honorlock: Honorlock is an online proctoring course management system that SPC uses for proctored assignments.

Guidelines for Honorlock exams: If any ONE of the following guidelines are not followed, you will receive zero points on your exam.

- You must sit at a table or desk and show your workspace in camera view.
- Your hands must stay on top of the table or desk.
- Your video and audio must stay on at all times.
- You must keep your eyes on the computer or notecard and not look around the room.
- You must put your cell phone face down on your desk and you are not allowed to use it.
- Other people are not allowed on camera, and you may not talk to another person.
- Hats and headphones of any kind are not allowed.
- Once you start the exam, you are not allowed to move out of the camera view.
- Dress appropriately. Revealing clothing is not allowed.

Tentative Course Outline

Week	Date	Tuesday	Date	Thursday
1	Jan 13	Syllabus 1.1 - Polynomials and Combining Functions	Jan 15	1.1 - Polynomials and Combining Functions 1.2 - Linear Equations
2	Jan 20	1.3 - Linear Equations with Fractions 1.4 - Linear Inequalities	Jan 22	2.1 - Systems of Linear Equations - 2 var
3	Jan 27	2.2 - Systems - 3 var - Addition method	Jan 29	2.3 - Systems - 3 var - Matrices
4	Jan 28	2.4 - Systems - 3 var - Cramer's Rule	Jan 30	Review for Exam 1
5	Feb 3	***Exam 1***	Feb 5	3.1 - GCF, Diff of Squares, and Grouping
6	Feb 10	3.2 - Factoring Trinomials	Feb 12	3.3 - Summary of Factoring 3.4 - Rational Expressions
7	Feb 17	3.5 - Rational Equations	Feb 19	4.1 - Roots and Complex Numbers 4.2 - Radical Expressions
8	Feb 24	4.3 - Quad Eq - Factoring and Quad Formula	Feb 26	4.4 - Quad Eq - Sq Root Prop & Comp Sq
9	Mar 3	4.5 - Polynomials / Rational Inequalities	Mar 5	Review for Exam 2
10	Mar 10	***Exam 2***	Mar 12	5.1 - Functions and Graphing 5.2 - Evaluating Functions and Piecewise
11	Mar 24	5.3 - Transformations 5.4 - Graph Linear Equations and Functions	Mar 26	6.1 - Graph Quad Equations and Functions
12	Mar 31	6.2 - Polynomial Equations and Functions	Apr 2	6.3 - Graph Polynomial Eq and Functions
13	Apr 7	6.4 - Graph Rational Eq and Functions	Apr 9	Review for Exam 3
14	Apr 14	***Exam 3***	Apr 16	7.1 - Compositions and Inverses of Functions 7.2 - Exponential and Log Functions
15	Apr 21	7.3 - Properies of Logs	Apr 23	7.4 - Exponential Equations
16	Apr 28	7.5 - Log Equations	Apr 30	Review for Exam 4 Last Day to Drop Classes
17	May 5	***Exam 4*** ***1:00 - 3:00 pm***		