

# College Algebra with Support Course - Fall 2024

## Math 0314 1314 –C151

**Instructor Information:** Jacqueline Fowler B022 (LBK Downtown Center - Basement)  
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**Office Hours:** Mon/Wed: 8:00 – 9:30, 10:45 – 11:00, 12:45 – 1:00, 2:45 – 4:00 Fri: 8:00 – 9:30

### Required Materials:

- access to a reliable internet service
- Scientific Calculator (Graphing calculators and cell phones are not allowed at any time.)
- access to a printer
- a device with the capability to participate in Zoom meetings with video and audio

**Blackboard:** Blackboard is an online course management system that SPC uses for course information. All course materials can be accessed through Blackboard. For questions regarding Blackboard support call 806-716-2180 or email [blackboard@southplainscollege.edu](mailto:blackboard@southplainscollege.edu).

**Gradescope:** Gradescope is a program used to grade all of your work. All assignments will be uploaded into Gradescope as ONE PDF file with multiple pages.

**Honorlock:** All quizzes will be proctored using the Honorlock program. You and your computer screen will be recorded during the quiz.

**Communication:** All emails need to be sent through your SPC email account to my SPC email account. Do **not** use your personal email. I will try to respond to all emails within 24 hours, but sometimes it may take longer. You **must** include your name and class on every email. Be professional in your messages. Do **not** use all caps or text language.

**Dropping the class:** You may submit a drop form online ([online drop form](#)) or visit the Student Services Office. **If someone other than you logs into your Blackboard account or attends a zoom meeting in your place, you WILL be dropped from this class immediately and receive an F or X at my discretion.**

### Grading Policy:

Labs/Quizzes.....20%  
Participation.....20%  
Exam 1.....20%  
Exam 2.....20%  
Exam 3.....20%

### Final Grade Determination:

A: 90 – 100  
B: 80 – 89  
C: 70 – 79  
D: 60 – 69  
F: 0 – 59

**Tutoring:** You have access to free tutoring through SPC. Under Course Information in Blackboard, click on the tutoring link for information. If you visit with a tutor, please share with them the work shown in my videos, so they can help you with the correct steps.

**Lesson Videos:** To help you with the lessons, there are videos in Blackboard. You need to watch the videos and fill in the notes to learn the material. You will not receive partial credit on your labs or exams if I cannot understand your work. Grading will be based on the information in the videos. If you are not showing the steps or information given in the video, you may not receive full credit on labs and exams.

**Participation:** Participation will include Homework and Math Skills Assignments. Homework will be completed on notebook paper and uploaded into Gradescope. Math Skills Assignments will be completed in Blackboard. If you do not complete the assignment before the deadline, you will not be allowed to take it at a later time, and you will receive a zero.

**Labs:** Print the lab assignment located in each unit and complete all questions in pencil so you can erase if you make a mistake. You are allowed to use your notes, homework, and a calculator, but using anything else is prohibited. The final submission must not have any mark outs due to pen. Grading will be based on the steps and information in the videos, so make sure you are showing the steps given in the videos. If you do not complete the assignment before the deadline, you will not be allowed to take it at a later time, and you will receive a zero.

**Quizzes:** As you work through each unit, you will find quizzes in Blackboard. These questions cover the material, but you will **not** print the document or write anything on paper. You are not allowed to use any resources on these quizzes. You will have two chances to take a quiz. Quizzes will be proctored with the Honorlock program.

#### **Guidelines for quizzes:**

If any ONE of the following guidelines are not followed, you will receive a zero on your quiz.

- Audio and video are required to be on at all times.
- You are not allowed to have another person in the room.
- You are not allowed to speak with another person while taking a quiz.
- Hats and headphones of any kind are not allowed.
- You must have good light so you are easily seen in the video.
- Once you start the quiz, you are not allowed to move out of camera view during the quiz.
- You are not allowed to look around the room while taking a quiz. Keep eyes on the computer.
- You are not allowed to use any materials on quizzes. These must be done from memory.
- Once finished with the exam, you will hit submit. There is no work to turn in.

**Exams:** There will be three exams. Exams will be proctored by me through zoom. There will be several sessions available. There are a limited number of seats, so you must sign up in Blackboard. You will only be allowed into the session that you have chosen.

#### **Guidelines for exams:**

If any ONE of the following guidelines are not followed, you will receive a zero on your exam.

- You will only get 3 minutes to print your exam. You should be in the same room as your printer.  
**\*\*\*Make sure your printer is working before you log into zoom.**
- Audio and video are required to be on at all times.
- You are required to show your entire workspace. This means I should see your desk area and you, including your head.
- You are not allowed to have another person in the room.
- You are not allowed to speak with another person while taking an exam.
- You must have a quiet space to avoid bothering other students.
- Hats and headphones of any kind are not allowed.
- You must have good light to be easily seen in the video.
- Once you start the exam, you are not allowed to move out of camera view during the exam.
- You are not allowed to look around the room while taking an exam. Keep eyes on exam.
- Once finished with the exam, you will need to follow these directions:
  - Inform me you are finished before you start scanning your work.
  - Open the Gradescope app and scan your work as one PDF file with multiple pages.
  - Open your exam in the Gradescope app and make sure you can read all pages and they must be in order.
  - Work will not be accepted after you leave the zoom meeting.
  - If you leave the zoom meeting, and I cannot read your work, you will receive a zero on your exam. You will not be allowed to send in your work a second time.

\*\*\*Plug in your computer before starting a quiz or exam. If your computer dies or you get kicked out of the quiz or exam for any reason, you will not be allowed to finish. If you get kicked out of an exam, you must immediately upload the work you have completed. If I receive your work within 5 minutes after getting kicked out, I will grade the work you have completed. If I receive your work after 5 minutes of getting kicked out, your work will not be accepted.

### **Common Course Syllabus – Math Department Policies**

**Department:** Mathematics, Engineering, and Computer Science      **Discipline:** Mathematics  
**Course Number:** MATH 0314 and Math 1314      **Course Title:** College Algebra with Support Course

**Available Formats:** conventional, hybrid, 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 TSIA, or a successful completion with a grade of 'C' or better in MATH 0315, or a 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.

**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 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.

### **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.

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.**

**MATH 0314 1314 – C151 – FALL 2024**

## Tentative Course Calendar

Any changes will be posted in Blackboard.

Week	Dates	Topics
1	Aug 26 – Sep 1	Introduction, Tips for success in math courses Integers and Exponents Polynomials and Combining Functions
2	<b>Sep 2</b>	<b>Labor Day Holiday</b>
	Sep 3 – 8	Time Management Linear Equations without Fractions
3	Sep 9 - 15	Overcoming Math Anxiety Linear Equations with Fractions Factoring
4	Sep 16 - 22	Preparing for a Math Test and Math Test-Taking Strategies Summary of Factoring and Solving Equations by Factoring Rational Expressions
5	Sep 23 – 25	Rational Equations
	<b>Sep 26</b>	<b>Exam 1</b>
6	Sep 30 – Oct 6	Using Available Resources Roots and Complex Numbers and Simplifying Radical Expressions Radical Equations
7	Oct 7 – 13	After Math Test Behavior Quadratic Equations Polynomial Equations
8	Oct 14 – 20	How to Read and Use Class Materials Systems of Equations – 2 variables and Cramer’s Rule Systems of Equations - Matrices
9	Oct 21 – 27	Note-taking for Math Exponential Equations Properties of Logs
10	Oct 28 – 30	Log Equations
	<b>Oct 31</b>	<b>Exam 2</b>
11	Nov 4 – 10	Composition of Functions Evaluating Exponential Functions
12	Nov 11 – 17	Piecewise Functions, Inverse Functions Inequalities – Linear, Polynomial, and Rational Graphing Linear Equations
13	Nov 18 – 24	Preparing for a Math Final Exam Graphing Quadratic Functions Graphing Polynomial Functions
14	Nov 25 – 26	Graphing Rational Functions
	<b>Nov 27 – 29</b>	<b>Thanksgiving Holiday</b>
15	Dec 2 – 4	Graphing Exponential and Log Functions Symmetry, Increasing, Decreasing, Constant, and Transformations
	<b>Dec 5</b>	<b>Exam 3</b>
16	<b>Dec 9</b>	<b>Final Exam</b>

