

**South Plains College**  
**Common Course Syllabus: MATH 0314/1314**  
**Revised July 2023**

**Department:** Mathematics, Engineering, and Computer Science

**Discipline:** Mathematics

**Course Number:** MATH 0314/1314

**Course Title:** College Algebra with Support

**Available Formats:** conventional, hybrid, and internet

**Campuses:** Levelland, Downtown Center, and Plainview 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, a successful completion with a grade of 'C' or better in MATH 0315, or a successful completion of NCBM-0105.

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

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

**Textbook:** *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1<sup>st</sup> Edition, Prentice Hall/Pearson Education

**Supplies:** Please see the instructor's course information sheet for specific supplies.

**This course partially satisfies a Core Curriculum Requirement:**

MATH 0314: None

MATH 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 can not receive an X, the instructor will assign an F.

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.

For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, please visit

<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>.

**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.

## Instructor's Course Information

**Course:** MATH 0314/1314 – College Algebra with Support

**Section:** C605 – meets T/Th from 9:00-10:45am and 11:00am-12:45pm

**Term:** Fall 2023

**Instructor:** Jerod Clopton

**Office:** Lubbock Downtown Center, B019

**Telephone:** (806) 716-2738

**Email:** [jclopton@southplainscollege.edu](mailto:jclopton@southplainscollege.edu)

### Virtual / Face-to-Face Office Hours:

- Monday: 10:00-11:30am, 4:15-5:15pm
- Tuesday: 2:00 - 3:30pm
- Wednesday: 10:00-11:30am
- Thursday: 2:00 - 3:30pm
- Fridays: 10:00-11:00am
- And by appointment, as needed. (The appointments can be scheduled in Blackboard.)
- Virtual office hours also may be scheduled in Blackboard.

**Email Policy:** All students at South Plains College are assigned a standardized SPC email. Log into [portal.office.com](http://portal.office.com) to access to you SPC email account. The instructor will only acknowledge, respond, and receive emails to your assigned email address.

- My expected response time to received emails is as follows:
  - For emails sent on Monday-Thursday, I will attempt to respond within 24 hours.
  - For emails sent on Friday-Sunday, I may not respond until the following Monday.
- I will not be checking / responding to messages sent through the Blackboard messaging system.

**Textbook:** A textbook is not required for this course; however, a recommended and freely available textbook for this course may be: College Algebra from OpenStax, Print ISBN 1938168380, Digital ISBN 1947172123, [www.openstax.org/details/college-algebra](http://www.openstax.org/details/college-algebra)

This textbook is also embedded in your Blackboard course for easier referencing. However, if you prefer a print copy as a reference tool, the ISBN is located at the web link above.

**Supplies:** Besides pencils (please show your work in pencil) and paper, you will need a scientific calculator and a small supply of graph paper. Calculators on cell phones, TI-89, TI-92, or TI-Inspire calculators, or any other electronic devices will not be allowed during testing without permission from the instructor. Make certain you have access to a scanner or scanning app. Gradescope is the recommended app. Other apps such as CamScanner, Scannable, OneDrive, etc. are helpful in order to scan your assignments/quizzes and submit them through Blackboard.

**Blackboard:** Blackboard is the online course management system that will be utilized for this course. This course is supplemented online, so all access to course information and your instructor is through the Internet. This course syllabus, as well as all course materials can be accessed through Blackboard. Login at <https://southplainscollege.blackboard.com/>. The username and password should be the same as the MySPC and SPC email.

Username: first initial, last name, and last 4 digits of the Student ID  
Password: Original Campus Connect Pin No. (found on SPC acceptance letter)

**Course Evaluation:** There will be departmental final exam questions given by all instructors. Your final average in the course will determine the letter grade posted on your transcript. Grades will be updated on Blackboard during the semester. Math 0314 will be graded as Pass/Fail. If a grade of A, B, or C is earned in Math 1314, then a grade of Pass will be awarded in Math 0314. If a grade of D or F is earned in Math 1314, then a grade of Pass or Fail will be awarded for Math 0314 at the instructor's discretion. If you pass MATH 0314 but do not pass the MATH 1314 portion, you will be able to register for MATH 1314 in future semesters. Your grade is determined by the following scale: A (90-100%), B (80-89%), C (70-79%), D (60-69%), F (0-59%).

- Daily Work (Assignments, Quizzes, Labs, etc.) = 11%
- Unit Exams (6 total) = 69%
- Final Exam = 20%

**Assignment Format and Policy:** Assignments are given after each lesson and are collected according to the calendar below. Expect a quiz to accompany each assignment. For each question on each assignment:

- Write the question number.
- In solving the problem, show all necessary work.
- Clearly mark your answer.
- Check your answers in Blackboard to make certain you are practicing the exercises correctly.
- Write your name at the top of each page of your work.
- Submit the assignment in Gradescope as a single pdf file, preferably using the Gradescope app. (Pdf files can be generated easily using a scanner or many freely available phone apps, like CamScanner, Scannable, or OneDrive.)
- All homework assignments will be due by 9:50am on the Friday of the corresponding week (unless otherwise stated).

Make certain to complete and submit assignments on time (or early). Early submissions are welcomed! Late assignments will be accepted with a 15% deduction up to the time of the unit exam. Assignments may not be submitted after the unit exam.

**Quiz Format and Policy:** Expect a face-to-face quiz to be administered at most every class session. No late quizzes will be accepted, as quizzes are to be taken during the class time.

**Exam Format and Policy:** There will be six-unit exams in this course. Exams must be taken at the days and times listed on the tentative course schedule. All exams must be taken in pencil. Students may not leave the examination room for any reason without turning in their exam for grading.

**Final Exam:** The comprehensive final will be given on Tuesday, December 12th from 10:15am to 12:15pm. No make-up final will be given.

**Make-up Exams:** No make-up, or late, homework assignments will be given. No make-up quizzes and exams are given without prior notification AND proper documentation. If are absent from a quiz or exam, you must give prior notification and proper documentation of your absence. Students who do not

take exams at the normal time, early or late, forfeit the right to attempt any extra credit on that quiz or exam.

**To maximize your potential for successfully completing this course:**

- Login to Blackboard daily.
- Watch the lecture videos and take notes on them.
- Thoroughly complete and submit the assignments on time.
- Practice the exercises repeatedly until you have full mastery of them.

**Attendance / Engagement Statement:** Attendance and engagement are potentially the most critical activities for success in this course.

Before arriving for the class meeting, make certain you have:

- worked through the notes and videos for that day's lessons;
- completed some of the assigned exercises.

Upon arriving at the class meeting, we will:

- answer questions over exercises;
- work through lab exercises;
- submit assignments and quizzes.

**SPC Tutors**

Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, and view tutoring locations.

<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

**Tutor.com**

You also have 180 FREE minutes of tutoring with Tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tools option from the left-hand menu bar. Click on the Tutor.com link and you will automatically be logged in for free tutoring. You may access tutor.com tutors during the following times:

Monday – Thursday: 8pm-8am  
6pm Friday – 8am Monday morning

For questions regarding tutoring, please email [tutoring@southplainscollege.edu](mailto:tutoring@southplainscollege.edu) or call 806-716-2538.

**Plagiarism and Cheating Statement:** It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension. (SPC General Catalog)

Plagiarism and cheating are not tolerated in this course. Under the policies of South Plains College, punishment for cheating may include no credit (failing) on the assignment, quiz, exam, or the course.

## Tentative Course Calendar: College Algebra with Support

**Fall 2023**

Date		Topic “P” is for prerequisite material (0314 material) “Asgmt” is an abbreviation of Assignment; this is 1314 material	Assignment Due Dates (by 9:00am)
Week 1	Tue, Aug 29	Course Introduction P1: Operations with Integers, Simplifying Fractions	
		P2: Operations with Fractions	
	Thur, Aug 31	P3: Order of Operations	P1 and P2
		P4: Exponent Rules	
Week 2	Tue, Sept 5	P5: Polynomials: Add, Sub, & Multiply	P3 and P4
		P6: Factoring GCF and Grouping	
	Thur, Sept 7	P7: Factoring: Trinomials w/ $a=1$	P5 and P6
		P8: Factoring: Trinomials w/ $a \neq 1$	
Week 3	Tue, Sept 12	P9: Factoring: Special Products	P7 and P8
		P10: Summary of Factoring	
	Thur, Sept 14	P11: Multiply and Divide Rational Expressions	P9 and P10
		P12: Add and Subtract Rational Expressions	
Week 4	Tue, Sept 19	P13: Simplifying Radicals/Rational Exponents	P11 and P12
		P14: Add, Subtract, & Multiply Radicals	
	Thur, Sept 21	Review for Exam 1	P13 and P14
		<b>Exam 1</b>	
Week 5	Tue, Sept 26	Asgmt 1: Linear Equations	
		Asgmt 2: Rational Equations	
	Thur, Sept 28	Asgmt 3: Linear Applications	Assignment 1 and 2
		Asgmt 4: Complex Numbers	
Week 6	Tue, Oct 3	Asgmt 5: Quadratic Equations	Assignment 3 and 4
		Asgmt 5: Quadratic Equations	
	Thur, Oct 5	Asgmt 6: Other Types of Equations	Assignment 5
		Asgmt 6: Other Types of Equations	
Week 7	Tue, Oct 10	Asgmt 7: Linear and Absolute Value Inequalities	Assignment 6
		Review for Exam 2	
	Thur, Oct 12	<b>Exam 2</b>	Assignment 7
		Asgmt 8: Functions and Their Graphs	
Week 8	Tue, Oct 17	Asgmt 8: Functions and Their Graphs (continued)	
		Asgmt 9: Linear Functions and Slope	

	Thur, Oct 19	Asgmt 9: Linear Functions and Slope (continued)	Assignment 8
		Asgmt 10: Distance, Midpoint, and Circles	
Week 9	Tue, Oct 24	Asgmt 11: Combination and Composition of Functions	Assignment 9 and 10
		Asgmt 12: Inverse Functions	
	Thur, Oct 26	Review for Exam 3	Assignment 11 and 12
		<b>Exam 3</b>	
Week 10	Tue, Oct 31	Asgmt 13: Quadratic Functions	
		P14: Long Division and Synthetic Division	
	Thur, Nov 2	Asgmt 14: Roots of Polynomials	Assignment 13 and P14
		Asgmt 15: Polynomial Functions and Their Graphs	
Week 11	Tue, Nov 7	Asgmt 16: Rational Functions and Their Graphs	Assignment 14 and 15
		Asgmt 17: Polynomial and Rational Inequalities	
	Thur, Nov 9	Review for Exam 4	Assignment 17
		<b>Exam 4</b>	
Week 12	Tue, Nov 14	Asgmt 18: Exponential and Logarithmic Functions	
		Asgmt 19: Properties of Logarithms	
	Thur, Nov 16	Asgmt 20: Exponential Equations	Assignment 18 and 19
		Asgmt 21: Logarithmic Equations	
Week 13	Tue, Nov 21	Review for Exam 5	Assignment 20 and 21
		<b>Exam 5</b>	
	Thur, Nov 23	<b>Thanksgiving Break</b>	
Week 14	Tue, Nov 28	Asgmt 22: 2x2 and 3x3 Systems of Equations	
		Asgmt 23: Matrix Solutions to Systems	
	Thur, Nov 30	Asgmt 25: Nonlinear Systems and Systems of Inequalities	Assignment 22 and 23
		Asgmt 26: Determinant's and Cramer's Rule	
Week 15	Tue, Dec 5	Review for Exam 6	Assignment 25 and 26
		<b>Exam 6</b>	
	Thur, Dec 7	Review for Final Exam	
		Review for Final Exam	
Week 16	<b>Tue, Dec 12</b>	<b>Final Exam from 10:15am-12:15pm</b>	