

South Plains College
 Department of Mathematics and Engineering
 College Algebra with Support – MATH 0314.C006, MATH 1314.C006
 Fall 2023 Course Policies

Instructors:

Karol Albus

Office: M110, Telephone: (806) 716-2543, Email: kalbus@southplainscollege.edu

Office Hours: As listed or by appointment.

Monday	Tuesday	Wednesday	Thursday	Friday
9:30 am – 10:00 am 1:30 pm – 3:30 pm	9:30 am – 11:30 am	9:30 am – 10:00 am		8:00 am -11:00 am

Kaylan K Thompson

Office: M111, Telephone: (806) 716-4886, Email: kthompson@southplainscollege.edu

Office Hours: As listed or by appointment.

Monday	Tuesday	Wednesday	Thursday	Friday	Sunday
9:00 am – 10:00 am 1:00 pm – 2:30 pm		9:00 am – 10:00 am 1:00 pm – 2:30 pm		9:00 am – 12:00 pm	4:00 pm – 6:00 pm Virtual using zoom, by appointment ONLY. Appointments must be made by email 24 hours in advance.

Supplies:

- ✓ LARGE 3-ring binder (3 inch or larger)
- ✓ Dividers
- ✓ notebook paper
- ✓ graph paper (you can print from Blackboard as needed)
- ✓ 3-hole punch
- ✓ pencils with an eraser.
- ✓ TI-30XIIS scientific calculator
- ✓ reliable internet service
- ✓ a way to print documents
- ✓ Gradescope app (you MUST use your SPC email to set up the app)

Phone/tablet and graphing calculators will not be allowed in class.

You will NOT need to purchase a book.

Course Requirements: To maximize the potential to complete this course, a student should attend all class and laboratory meetings, take notes and participate in class, complete all homework assignments and examinations including final examinations.

Hybrid Class: Half of our class time is allotted to online learning. During our face-to-face meetings, you will be assessed over the material covered since the last quiz. All exams will be face-to-face. It is your responsibility to print notes, view videos and complete homework on a daily basis. Monday and Wednesday’s lessons will be taught online in a video format. Tuesday and Thursday’s lessons will be taught during the face-to-face class. All assignments must be printed, completed in a paper/pencil format, scanned and uploaded as a PDF into Blackboard.

Grading Policy:

Homework/Quizzes/Lab Assignments 10%
 8 Unit Exams 72%
 Final Exam 18%

Homework/Quizzes/Lab Assignments/Binder Checks:

- Each homework assignment must be submitted through a GradeScope app as a SINGLE PDF document. Work the problems early enough to seek help if needed. You should expect to spend as much time outside of class as you do in class practicing homework problems and studying. Absolutely no late homework assignments will be accepted.
- Quizzes will be given during almost all class periods to demonstrate that you have practiced the skills from the previous class/classes. Make-up quizzes will not be given and a zero will be given.
- Periodically, lab assignments will be given, completed, and turned in during a class period. If absent, a zero will be given.
- All students will keep a binder which will be used as a reference and study guide. Your binder should be brought to class every day! Neatness and organization of a 3-ring binder are important.

Exams: There will be 8 unit exams given and a comprehensive final. Dates for the exams are on the course calendar. If for any reason you are going to miss an exam, you must contact us PRIOR to class time. Make-up exams will be given at the discretion of the instructor. Once you begin an exam, you will not be able to leave the classroom until the exam is submitted for grading. If classes are moved to an online format, exams will be videoed.

Grading Scale:

MATH 0314: Pass / Fail

MATH 1314: A 90-100 B 80-89 C 70-79 D 60-69 F below 60

If you make a grade of A, B, or C in MATH 1314, your grade in MATH 0314 will be P (Pass). However, if you COMPLETE THE COURSE, and make a grade below C in MATH1314, then your grade for the 0314 course will be assessed at your instructor's discretion. If you pass MATH 0314 but not the MATH 1314 portion of the course, you will be able to register for MATH 1314 in future semesters.

Student Responsibilities and Expectations:

1. Read the syllabus.
2. Check your email.
3. Come to class on time and prepared to learn. (Pencils, homework, notebook, calculator)
4. Print the necessary notes and assignments.
5. Take notes, participate in class, and complete course assignments early enough to seek help if needed.
6. Food and drink are not allowed in class, with the exception of bottled water.
7. Cell phones and any other electronic devices must be silenced and put away before entering the classroom. The only use of these devices will be to scan and turn in work. Other use of these devices during class will result in a zero for that day's quiz, homework, or exam.

Resources:

- Blackboard is the online course management system that will be used for this course. The course syllabus, handouts for notes, reviews, as well as any other class handouts can be accessed through Blackboard. Your grades will also be posted there. You will want to check Blackboard regularly.
- Free tutoring is available in M116 on the Levelland campus. Hours for the tutors will be posted by the door of M116.
- We are available to help you! Feel free to come by during our office hours or email us at kalbus@southplainscollege.edu or kthompson@southplainscollege.edu.

Tutoring:

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 or call 806-716-2538.

Use of Student Email: The College provides a free, official, email account to all students to ensure efficient and secure communications between you and the College. Students will be required to use their college-issued email address to communicate with their instructor and all other college personnel, so it is easy to distinguish a student's email from spam. The College expects that students will utilize their college email addresses to send and receive communications with college personnel and will read email on a frequent and consistent basis.

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

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314

Course Title: College Algebra Support Course

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.

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.

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

Textbook: *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1st 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: None

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.

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

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 1314

Course Title: College Algebra

Available Formats: conventional, hybrid, internet, and ITV

Campuses: Levelland, Downtown Center, Plainview 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 TSIA1, minimum score of 950 on the TSIA2, a diagnostic score of 6 on the TSIA2, TSI-exempt status, a successful completion with a grade of 'C' or better in MATH 0320, or successful completion of NCBM-0114.

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

Textbook: *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1st 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: 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.

Tentative Course Schedule

Week	Date	Topic	Notes, Assignment	Due by 10:00am
Week 1	Aug 28 – M	Course Introduction/ Integers, Fraction Multiplication & Division	Notes P1, Assignment P1	
	Aug 29 – T	Fraction Addition & Subtraction, Order of Operations	Notes P2, Assignment P2	Notes P1, Asgmt P1
	Aug 30 – W	Solving Linear and Absolute Value Equations	Notes 1, Assignment 1	Notes P2, Asgmt P2
	Aug 31 – R	Solving Linear and Absolute Value Inequalities	Notes 2, Assignment 2	Notes 1, Asgmt 1
Week 2	Sept 4 – M	<i>Labor Day Holiday</i>		
	Sept 5 – T	Polynomials: Exponent Rules	Notes 3, Assignment 3	Notes 2, Asgmt 2
	Sept 6 – W	Polynomials: Add, Subtract & Multiply Factoring: GCF, Trinomials with a Coefficient of 1	Notes 4, Assignment 4 Factoring Flowchart/Tips	Notes 3, Asgmt 3
	Sept 7 – R	Factoring: Trinomials, Grouping & Special Products	Notes 5, Assignment 5	Notes 4, Asgmt 4
Week 3	Sept 11 – M	Summary of Factoring/ Solving by Factoring	Notes 6, Assignment 6	Notes 5, Asgmt 5
	Sept 12 – T	Review 1	Review 1	Notes 6, Asgmt 6
	Sept 13 – W	Exam 1		Review 1
	Sept 14 – R	Multiply and Divide Rational Expressions	Notes 7, Assignment 7	

Week 4	Sept 18 – M	Add and Subtract Rational Expressions	Notes 8, Assignment 8	Notes 7, Asgmt 7
	Sept 19 – T	Multiply, Divide, Add & Subtract Rational Expressions	Notes 9, Assignment 9	Notes 8, Asgmt 8
	Sept 20 – W	Solving Rational Equations	Notes 10, Assignment 10	Notes 9, Asgmt 9
	Sept 21 – R	Review 2	Review 2	Notes 10, Asgmt 10
Week 5	Sept 25 – M	Exam 2		Review 2
	Sept 26 – T	Simplifying Radicals/Rational Exponents	Notes 11, Assignment 11	
	Sept 27 – W	Add, Subtract & Multiply Radicals	Notes 12, Assignment 12	Notes 11, Asgmt 11
	Sept 28 – R	Rationalizing Radical Expressions & The Complex Number System Part 1	Notes 13, Assignment 13	Notes 12, Asgmt 12
Week 6	Oct 2 – M	The Complex Number System Part 2 & Solving Radical Equations Part 1/Begin Review 3	Notes 14, Assignment 14 Review 3	Notes 13, Asgmt 13
	Oct 3 – T	Solving Radical Equations Part 2/ Complete Review 3	Notes 15, Assignment 15 Complete Review 3	Notes 14, Asgmt 14
	Oct 4 – W	Exam 3		Notes 15, Asgmt 15 Review 3
	Oct 5 – R	Functions Day 1	Notes 16, Assignment 16	
Week 7	Oct 9 – M	Functions Day 2	Notes 17, Assignment 17	Notes 16, Asgmt 16
	Oct 10 – T	Function Operations, Compositions & Inverses	Notes 18, Assignment 18	Notes 17, Asgmt 17
	Oct 11 – W	Linear Functions: Slope & Graphing/Begin Review 4	Notes 19, Assignment 19 Review 4	Notes 18, Asgmt 18
	Oct 12 – R	Linear Functions: Equations, Parallel & Perpendicular Lines/ Complete Review 4	Notes 20, Assignment 20 Complete Review 4	Notes 19, Asgmt 19
	Oct 13 – F	Fall Break – no office hours		
Week 8	Oct 16 – M	Exam 4		Notes 20, Asgmt 20 Review 4
	Oct 17 – T	Solving Quadratics by Factoring and the Square Root Property	Notes 21, Assignment 21	
	Oct 18 – W	Solving Quadratics by Completing the Square and the Quadratic Formula	Notes 22, Assignment 22	Notes 21, Asgmt 21
	Oct 19 – R	Graphing Quadratics	Notes 23, Assignment 23	Notes 22, Asgmt 22
Week 9	Oct 23 – M	Distance, Midpoint & Circles	Notes 24, Assignment 24	Notes 23, Asgmt 23
	Oct 24 – T	Review 5	Review 5	Notes 24, Asgmt 24
	Oct 25 – W	Exam 5		Review 5
	Oct 26 – R	Long Division & Synthetic Division	Notes 25, Assignment 25	
Week 10	Oct 30 – M	Roots of Polynomials	Notes 26, Assignment 26	Notes 25, Asgmt 25
	Oct 31 – T	Graphing Polynomials	Notes 27, Assignment 27	Notes 26, Asgmt 26
	Nov 1 – W	Rational Functions	Notes 28, Assignment 28	Notes 27, Asgmt 27
	Nov 2 – R	Polynomial and Rational Inequalities	Notes 29, Assignment 29	Notes 28, Asgmt 28
Week 11	Nov 6 – M	Review 6	Review 6	Notes 29, Asgmt 29
	Nov 7 – T	Complete Review 6	Review 6	
	Nov 8 – W	Exam 6		Review 6
	Nov 9 – R	Exponential & Logarithmic Functions	Notes 30, Assignment 30	

Week 12	Nov 13 – M	Properties of Logarithms & Compound Interest	Notes 31, Assignment 31	Notes 30, Asgmt 30
	Nov 14 – T	Solving Exponential Equations	Notes 32, Assignment 32	Notes 31, Asgmt 31
	Nov 15 – W	Solving Logarithmic Equations	Notes 33, Assignment 33	Notes 32, Asgmt 32
	Nov 16 – R	Review 7	Review 7	Notes 33, Asgmt 33
Week 13	Nov 20 – M	Exam 7		Review 7
	Nov 21 – T	2x2 Systems, 3x3 Systems	Notes 34, Assignment 34	
	Nov 22-24	<i>Thanksgiving Holiday</i>		
Week 14	Nov 27 – M	Non-Linear Systems	Notes 35, Assignment 35	Notes 34, Asgmt 34
	Nov 28 – T	Systems of Inequalities	Notes 36, Assignment 36	Notes 35, Asgmt 35
	Nov 29 – W	Matrix Methods	Notes 37, Assignment 37	Notes 36, Asgmt 36
	Nov 30 – R	Review 8 <i>Last day to drop a course with a grade of W</i>	Review 8	Notes 37, Asgmt 37
Week 15	Dec 4 – M	Exam 8	Exam 8	Review 8
	Dec 5 – T	Review for Comprehensive Final	Review for Comprehensive Final	
	Dec 6 – W	Review for Comprehensive Final	Review for Comprehensive Final	
	Dec 7 – R	Review for Comprehensive Final	Review for Comprehensive Final	
Week 16	Dec 11 – M	Final Exam	10:15-12:15	