South Plains College
Department of Mathematics and Engineering
College Algebra with Support – MATH 0314, MATH 1314
Fall 2024 Course Policies

Instructor:
Karol Albus
Office: M110, Telephone: (806) 716-2543, Email: kalbus@southplainscollege.edu
Office Hours: As listed or by appointment.

Monday	Tuesday	Wednesday	Thursday	Friday
9:30-10:00 am 2:15-4:15 pm (Lev Office M110)	8:00-9:00 am (M110)	9:30-10:00 am (M110)	8:00-9:00 am (M110)	8:00-11:00 (M110)

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

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 meetings, take notes and participate in class, complete all homework assignments and examinations including final examination.

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 during the face-to-face class. Tuesday and Thursday's lessons will be taught online in a video format. It is your responsibility to print all notes and complete them. All assignments will be completed in a paper/pencil format, and turned in physically on Mondays and Wednesdays during face-to-face class.

Grading Policy:
Homework/Quizzes	10%
8 Unit Exams	72%
Final Exam	18%

Homework/Quizzes/Lab Assignments/Binder Checks:
- For homework assignments, 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.
- Assignments are your friend – this is your chance to practice skills to be ready for the quizzes and ultimately the exam.
- 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.
- 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 me 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.

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 a stand-alone 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. 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, notes, assignments, 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.
- I am available to help you! Feel free to come by during my office hours or email me at kalbus@southplainscollege.edu.

SPC Tutors (before 8pm)
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

Brainfuse (after 8pm and weekends)
You also have 180 free minutes online tutoring with Brainfuse each week. Log into Blackboard, click on the "Assist" or "Tools" option from the left-hand menu bar. Click on the Brainfuse Live Tutoring link and you will automatically be logged in for free tutoring. You may access Brainfuse 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.

*** I have turned off my Blackboard messages and will be unable to read a message sent to me through Blackboard messages. To communicate with me electronically, please use email.

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.

MATH 0314/1314 Course Calendar Fall 2024

Week	Date	Topic	Due beginning of class period	In Class Work
Week 1	Aug 26 – M	Course Introduction 1.1 Integers, Fraction Multiplication /Division		
	Aug 27 – T	1.2 Fraction Addition & Subtraction, Order of Operations		
	Aug 28 – W	1.3 Solving Linear and Absolute Value Equations	1.1 Notes and Assignment 1.2 Notes and Assignment	Quiz 1.1, 1.2
	Aug 29 – R	1.4 Solving Linear and Absolute Value Inequalities		
Week 2	Sept 2 – M	*Labor Day Holiday-no class*		
	Sept 3 – T	1.5 Polynomials: Exponent Rules		
	Sept 4 – W	1.6 Polynomials: Add, Subtract & Multiply Factoring: GCF, Trinomials with a Coefficient of 1	1.3 Notes and Assignment 1.4 Notes and Assignment 1.5 Notes and Assignment	Quiz 1.3, 1.4, 1.5
	Sept 5 – R	1.7 Factoring: Trinomials, Grouping & Special Products		
Week 3	Sept 9 – M	1.8 Summary of Factoring/ Solving by Factoring	1.6 Notes and Assignment 1.7 Notes and Assignment	Quiz 1.6, 1.7
	Sept 10 – T	Unit 1 Review		
	Sept 11– W	**Unit 1 Exam**	1.8 Notes and Assignment Unit 1 Review	Unit 1 Exam
	Sept 12 – R	2.1 Multiply and Divide Rational Expressions		
Week 4	Sept 16 – M	2.2 Add and Subtract Rational Expressions	2.1 Notes and Assignment	Quiz 2.1
	Sept 17 – T	2.3 Multiply, Divide, Add & Subtract Rational Expressions		
	Sept 18 – W	2.4 Solving Rational Equations	2.2 Notes and Assignment 2.3 Notes and Assignment	Quiz 2.2, 2.3
	Sept 19 – R	Unit 2 Review		
Week 5	Sept 23 – M	**Unit 2 Exam**	2.4 Notes and Assignment Unit 2 Review	Unit 2 Exam
	Sept 24 – T	3.1 Simplifying Radicals/Rational Exponents		
	Sept 25 – W	3.2 Add, Subtract & Multiply Radicals	3.1 Notes and Assignment	Quiz 3.1
	Sept 26 – R	3.3 Rationalizing Radical Expressions & The Complex Number System Part 1		
Week 6	Sept 30 – M	3.4 The Complex Number System Part 2 & Solving Radical Equations Part 1 Begin Review 3	3.2 Notes and Assignment 3.3 Notes and Assignment	Quiz 3.2, 3.3
	Oct 1 – T	3.5 Solving Radical Equations Part 2 Complete Unit 3 Review		
	Oct 2 – W	**Unit 3 Exam**	3.4 Notes and Assignment 3.5 Notes and Assignment Unit 3 Review	Unit 3 Exam
	Oct 3 – R	4.1 Functions Day 1		
Week 7	Oct 7 – M	4.2 Functions Day 2	4.1 Notes and Assignment	Quiz 4.1
	Oct 8 – T	4.3 Function Operations, Compositions & Inverses		
	Oct 9– W	4.4 Linear Functions: Slope & Graphing Begin Unit 4 Review	4.2 Notes and Assignment 4.3 Notes and Assignment	Quiz 4.2, 4.3
	Oct 10 – R	4.5 Linear Functions: Equations, Parallel & Perpendicular Lines Complete Unit 4 Review		
	Oct 11 - F	Fall Break – no office hours		

Week 8	Oct 14 – M	**Unit 4 Exam**	4.4 Notes and Assignment 4.5 Notes and Assignment Unit 4 Review	Unit 4 Exam
	Oct 15 – T	5.1 Solving Quadratics by Factoring and the Square Root Property		
	Oct 16 – W	5.2 Solving Quadratics by Completing the Square and the Quadratic Formula	5.1 Notes and Assignment	Quiz 5.1
	Oct 17 – R	5.3 Graphing Quadratics		
Week 9	Oct 21 – M	5.4 Distance, Midpoint & Circles	5.2 Notes and Assignment 5.3 Notes and Assignment	Quiz 5.2, 5.3
	Oct 22 – T	Unit 5 Review		
	Oct 23 – W	**Unit 5 Exam**	5.4 Notes and Assignment Unit 5 Review	Unit 5 Exam
	Oct 24 – R	6.1 Long Division & Synthetic Division		
Week 10	Oct 28 – M	6.2 Roots of Polynomials	6.1 Notes and Assignment	Quiz 6.1
	Oct 29 – T	6.3 Graphing Polynomials		
	Oct 30 – W	6.4 Rational Functions	6.2 Notes and Assignment 6.3 Notes and Assignment	Quiz 6.2, 6.3
	Oct 31 – R	6.5 Polynomial and Rational Inequalities		
Week 11	Nov 4 – M	Unit 6 Review	6.4 Notes and Assignment 6.5 Notes and Assignment	Quiz 6.4, 6.5
	Nov 5 – T	Complete Unit 6 Review		
	Nov 6 – W	**Unit 6 Exam**	Unit 6 Review	Unit 6 Exam
	Nov 7 – R	7.1 Exponential & Logarithmic Functions		
Week 12	Nov 11 – M	7.2 Properties of Logarithms & Compound Interest	7.1 Notes and Assignment	Quiz 7.1
	Nov 12 – T	7.3 Solving Exponential Equations		
	Nov 13 – W	7.4 Solving Logarithmic Equations	7.2 Notes and Assignment 7.3 Notes and Assignment	Quiz 7.2, 7.3
	Nov 14 – R	Unit 7 Review		
Week 13	Nov 18 – M	**Unit 7 Exam**	Unit 7 Review	Unit 7 Exam
	Nov 19 – T	8.1 2x2 Systems, 3x3 Systems		
	Nov 20 - W	8.2 Non-Linear Systems	8.1 Notes and Assignment	Quiz 8.1
	Nov 21 – R	8.3 Systems of Inequalities		
Week 14	Nov 25 – M	8.4 Matrix Methods	8.2 Notes and Assignment 8.3 Notes and Assignment	Quiz 8.2, 8.3
	Nov 26 – T	Unit 8 Review		
	Nov 27-28	*Thanksgiving Holiday*		
Week 15	Dec 2 – M	**Unit 8 Exam** *Last day to drop a course with a grade of W*	8.4 Notes and Assignment Unit 8 Review	Unit 8 Exam
	Dec 3 – T	Review for Comprehensive Final		
	Dec 4 – W	Review for Comprehensive Final **Last day to drop a course with a grade of W**		
	Dec 5 – R	Review for Comprehensive Final		
Week 16	Dec 9	**Final Exam**	Final Exam Review	