

South Plains College
Common Course Syllabus: MATH 0314 & MATH 1314
Revised August 2021

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Numbers: MATH 0314, MATH 1314

Course Title: College Algebra with Support

Available Formats: conventional, hybrid, internet, and ITV

Campuses: Levelland, Reese, Plainview, Lubbock Center, and Dual Credit

Course Description (MATH 0314): 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.

Course Description (MATH 1314): 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, 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.

COVID Syllabus Statement: Consistent with the latest CDC recommendations, we have revised our guidance for students, faculty, and staff who have a known exposure or have tested positive. Anyone with a known exposure should wear a mask for 10 days and should seek a COVID-19 test on day five after exposure. If you test positive or develop symptoms, you should immediately self-isolate and seek a COVID-19 test. Please immediately notify your instructor, supervisor, and DeEtte Edens, Associate Director of Health and Wellness, any time you test positive for COVID-19. Anyone who tests positive is required to self-isolate for five days. Following the five-day isolation period, if you are asymptomatic or your symptoms are resolving, you may return to work or class but should wear a mask for five additional days. If you are still symptomatic, please contact DeEtte Edens at dedens@southplainscollege.edu or 806-716-2376 prior to your return date.

If you are experiencing any of the following symptoms please do not attend class and either seek medical attention or get tested for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at dedens@southplainscollege.edu or 806-716-2376.

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

Diversity Statement: In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disability Statement: Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

Title IX Pregnancy Accommodations Statement: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email rcanon@southplainscollege.edu](mailto:rcanon@southplainscollege.edu) for assistance.

Campus Concealed Carry: Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php> Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

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 Syllabus: MATH 0314/1314
Spring 2022**

Section: C005: T/Th 9:00-10:45am, M124

Instructor: Jerod Clopton

Office: Levelland Campus, Math and Engineering Building, M102

Telephone: (806) 716-2738

Email: jclopton@southplainscollege.edu

Office Hours:

- Monday: 1:00-3:30pm
- Tuesday: 11:00am-12:00pm
- Wednesday: 1:00-3:30pm
- Tuesdays 11:00am-12:00pm
- Fridays: 11:00am-12:00pm
- And by appointment.

Email Policy: All students at South Plains College are assigned a standardized SPC email. Log into 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.

Blackboard: Blackboard is the online course management system that will be utilized for this course. The course syllabus, instructor information, and all course materials can be accessed through Blackboard. You will be submitting all homework through Blackboard. Login to Blackboard 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 CampusConnect Pin No. (found on SPC acceptance letter)

Supplies:

- No textbook is required for this class. All course material will be made available to you through Blackboard.
- Pencils, erasers, 8.5-inch x 11-inch notebook paper, graph paper, scientific calculator (graphing calculators or calculators on cellphones or smart watches are not allowed).
- Access to a computer with internet and a printer. There are many computer labs on all campuses at SPC and SPC students are given a weekly allowance to print documents.
- Access to a scanner, or scanning app such as CamScanner, OneDrive, Scannable, etc., in order to scan your notes and homework into PDF files.

Attendance: A record of your attendance will be kept. As stated in the course syllabus, you will be required to attend 80% of the class meetings. If you do not attend class for any reason, you will be counted absent. Should you arrive more than 15 minutes after class has started, you will be counted absent. Tardies count as 0.5 absences. Arriving between the start of class and 15 minutes after class has started counts as a tardy. Leaving before the class is dismissed counts as a tardy. Should class be canceled, either by South Plains College or the instructor, the student will be responsible for any lecture material presented on Blackboard.

Flipped Classroom: This is a flipped classroom. Simply put this means that you will be introduced to course content outside of the classroom and then practice the material during class. To be successful in this class you will need to prepare for each class by watching the lecture videos, taking notes on the lecture videos, and begin working on the homework. This will open up more time in class to address any questions that you have over the lecture, subject material, or homework.

Lecture Videos and Notes: Lecture videos and notes are made available to you in Blackboard. Before each class meeting, you are expected to have watched the lecture videos and worked through the aligned notes for that day's lesson. You will be required to submit your completed notes on a weekly basis.

Homework: For each lesson you will have an assigned set of homework problems from the textbook. Homework will be submitted as a single PDF file through Gradescope, (a link to Gradescope is available in Blackboard for each homework assignment.) No late assignments will be accepted. The purpose of homework is to provide you with the opportunity to practice and master the material of this course. Be sure to follow the following homework requirements.

- Work must be done on 8.5 x 11-inch notebook paper and written in pencil.
- The first page of your work should have your name, class, and assignment title. Your name should be written on each page of your work.
- Work should be done in a neat and legible manner.
 - Work must be done in either a single or double column down the page.
- All work must be shown, and the work must justify the answer.
- All answers must be either circled or boxed in.
- When submitting work, scan all pages into a single PDF file.

Quizzes: Unannounced quizzes will be given. Questions for the quizzes will be taken from or be similar to the questions in the notes and homework assignments. Quizzes must be taken in pencil. No make-up quizzes will be given.

Exams: Exams will be given during the scheduled class times on the dates stated on the course calendar. Exams must be taken in pencil. Once you begin the exam, you may not leave the room until the exam is submitted for grading. No make-up exams will be given.

Final Exam: The comprehensive final exam will be given on Tuesday, May 10th, from 8:00-10:00am. The final exam will cover all material from the class. No make-up final will be given.

Grading Policy:

Daily Work (notes, homework, quizzes, labs, etc.)	14%
Exams (4 total)	11% each (total of 66%)
Final Exam	20%

Grading Scale: Your final average in the course will determine the letter grade posted on your transcript. This grade is determined by the following scale: A (90-100%), B (80-89%), C (70-79%), D (60-69%), F (0-59%).

Make-Up Work: Make-up work will be given at the discretion of the instructor. If you are not going to be in class, you need to contact the instructor before that class period and have proper documentation that gives reason why you will be absent. If the opportunity is given you make-up a quiz or exam, you will need to make arrangements with the instructor to take the quiz or exam before the next class period.

Resources:

- Please come to me first with any questions that you have about this class. Feel free to come by my office during my office hours or email me.
- **SPC Tutoring:** 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

Disclaimer: The instructor reserves the right to alter any class policies/dates as deemed necessary by the instructor and will announce any changes in class or in Blackboard.

MATH 0314/1314 Tentative Course Schedule for Spring 2022

Week	Date	Topic
1	Tue, 1/18	Introduction 1.1 – Integers, Exponents, and Order of Operations
	Thu, 1/20	1.2 – Fractions 1.3 – Exponent Rules
2	Tue, 1/25	1.4 – Add, Subtract, Multiply, Divide Polynomials 1.5 – Linear and Absolute Value Equations
	Thu, 1/27	1.6 – Linear Inequalities Review for Exam 1
3	Tue, 2/1	Exam 1
	Thu, 2/3	2.1 – Factoring Polynomials, Part 1 2.2 – Factoring Polynomials, Part 2
4	Tue, 2/8	2.3 – Solving Quadratic Equations by Factoring 2.4 – Simplify, Multiply and Divide Rational Expressions
	Thu, 2/10	2.5 – Finding the LCD and Solving Rational Equations 2.6 – Adding and Subtracting Rational Expressions
5	Tue, 2/15	Review for Exam 2 3.1 – Properties of Square Roots & Complex Numbers
	Thu, 2/17	Exam 2
6	Tue, 2/22	3.2 – Simplifying Radical Expressions 3.3 – Rational Exponents and Solving Radical Equations
	Thu, 2/24	3.4 – Solving Quadratic Equations by Factoring and the Square Root Method 3.5 – Solving Quadratic Equations by Completing the Square and The Quadratic Formula
7	Tue, 3/1	Review for Exam 3 4.1 – Distance, Midpoint, and Circles
	Thu, 3/3	Exam 3
8	Tue, 3/8	4.2 – Basics of Functions and Analyzing Graphs 4.3 – Evaluating Functions and Symmetry
	Thu, 3/10	4.4 – Increasing, Decreasing and Piecewise Functions 4.5 – Graphs and Transformations
Spring Break – March 14 through March 18		
9	Tue, 3/22	Exam 4
	Thu, 3/24	5.1 – Domain, Operations with Functions, and Composition 5.2 – Function Inverses
10	Tue, 3/29	5.3 – Slope, Equations of Lines, Graphing Linear Functions 5.4 – Parallel and Perpendicular Lines
	Thu, 3/31	6.1 – Graphing Quadratic Functions 6.2 – Synthetic Division and Solving Polynomial Equations
11	Tue, 4/5	6.3 – Graphing Polynomial Functions 6.4 – Graphing Rational Functions
	Thu, 4/7	6.5 – Polynomial and Rational Inequalities Review for Exam 5
12	Tue, 4/12	Exam 5
	Thu, 4/14	7.1 – Exponential and Logarithmic Functions 7.2 – Evaluating Logarithmic Expressions and Properties of Logarithms
13	Tue, 4/19	7.3 – Exponential Equations 7.4 – Solving Logarithmic Equations
	Thu, 4/21	7.5 – Solving Systems of Equations by Substitution and Elimination Review for Exam 6
14	Tue, 4/26	Exam 6
	Thu, 4/28	8.1 – Systems of Linear Equations with Three Variables 8.2 – Nonlinear Systems
15	Tue, 5/3	8.3 – Gaussian and Gauss-Jordan Elimination 8.4 – Cramer’s Rule
	Thu, 5/5	Review for Final Exam
16	Tue, 5/10	Final Exam (20%): 8:00-10:00am