South Plains College
Common Course Syllabus: College Algebra with Support – MATH 0314/1314
Spring 2021

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314/1314

Course Title: College Algebra with Support

Section: C002 (Tuesdays and Thursdays, 2:30pm-4:15pm, Math and Enginerring Building, M128)

Available Formats: conventional/flex, internet, and ITV.

Campuses: Levelland, Reese, Plainview, Lubbock Center, and Dual Credit. This class meets on the Levelland campus

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 (Math1314): 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.

Credit (Math 0314): 3 **Lecture:** 3 **Lab:** 1
Credit (Math 1314): 3 **Lecture:** 3 **Lab:** 1

Instructor: Jerod Clopton
Telephone: (806) 716-2738
Office: Math and Engineering Building, M102
Email: jclopton@southplainscollege.edu

Virtual/Face-to-Face Office Hours:
- Mondays: 10:30am-12:00pm
- Tuesdays: 10:00-10:45am, 1:15-2:15pm
- Wednesdays: 10:30am-12:00pm
- Thursdays: 10:00-10:45am, 1:15-2:15pm
- Fridays: 10:30am-12:00pm (* virtual office hours only)
- And by appointment (scheduled in Blackboard)

Virtual office hours may be scheduled in Blackboard.

Textbook: The purchase of a text book is not required for this course. Note that the following textbook is available at the SPC Library and may be used as reference for this course:
- *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1st Edition, Prentice Hall/Pearson Education

Supplies: As a reminder, there is no text book for this course. You will need writing utinsils (preferably pencils), lined notebook paper, a binder (for organizing purposes) a scientific calculator. Calculators on cell phones, TI-89,

TI-92, or TI-Inspire calculators, or any other electronic devices will <u>not</u> be allowed during testing without permission from the instructor. Make certain you have access to a scanner or scanning app such as CamScanner, Scannable, OneDrive, etc. 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 <u>all</u> course materials can be accessed through Blackboard. Login at https://southplainscollege.blackboard.com/. The user name and password should be the same as the MySPC and SPC email.

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

Questions regarding Blackboard support may be emailed to blackboard@southplainscollege.edu or by telephone to 806-716-2180.

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

Participation: Participation is vital for success in this course. You will receive a weekly participation grade. Part of this grade will come from the completion of section lecture notes and homework assignments.

Homework: A set of homework problems will accompany each section. Homework is the means by which the student works to understand the material and prepare for assessments (quizzes and exam). The homework will not be graded. However, part of your participation grade will come from submitting your work done for each homework assignment.

Quizzes: Quizzes are given to determine if the student is mastering the required skills of the course. Weekly quizzes will be given, and the questions will be similar to the questions in the homework assignments. No make-up quizzes will be given. Your work for each quiz will be scanned and submitted as a <u>single PDF file</u> into Blackboard, by the submission deadline. If you do not have access to a scanner, you may use a mobile app to create a PDF file of your work.

Exams: Exams will be given during the scheduled class times on the dates stated on the course calendar. Expect to have four unit exams and a comprehensive final exam. Your work for each exam will be scanned and submitted as a <u>single PDF file</u> into Blackboard, by the submission deadline. If you do not have access to a scanner, you may use a mobile app to create a PDF file of your work.

Course Evaluation: There will be a comprehensive departmental final exam given by all instructors. The average of weekly participation and quiz grades will account for 24% of the final grade, while exams will account for 76% of the final grade. Your final average in the couse 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%).

Grading Policy: Participation Grades (14 grades taken, 4 of which are extra credit) = 12%
Quiz Grades (14 grades taken, 4 of which are extra credit) = 12%
Exam Grades (4 exams at 14% each) = 56%
Final Exam = 20%

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/Student Engagement Policy: Attendance and effort are the most important activities for success in this course. The instructor maintains records of the student's engagement throughout the semester. The student will be allowed to miss twenty percent (20%) of class assignments for the semester, ***for any reason***. Should this number be exceeded, the instructor has the right to drop the student with a grade of F or an X, depending on the instructor's discretion.

Before arriving for the class meeting, make certain you have:
1. worked through the notes and videos for that days's lessons;
2. completed a majority of the assigned exercises.

Assignment Format and Policy: Assignments are given for each lesson and will be collected on a weekly basis, (assignments along with your notes are part of your participation grade). Expect a weekly quiz to accompany each week's assignments. For each question on each assignment:
- Write the question number.
- In solving the problem, show <u>all</u> necessary work.
- Clearly mark your answer.
- Write your name at the top of each page of your work.
- Write the course number and section number on the first page of your work.
- Submit the assignment in Blackboard as a single pdf file. (Pdf files can be generated easily using a scanner or many freely available phone apps, like CamScanner, Scannable, or OneDrive.)

No late assinments or quizzes will be accepted. Make certain to complete and submit assignments on time (or early). Early submissions are welcomed!

Exam Format and Policy: There are four (4) units of study in this course. At the conclusion of each unit is a face-to-face examination as specified on the Tentative Course Calendar. At the end of the semester is a comprehensive final examination at the specified time on the Tentative Course Calendar. If there becomes a quarantine issue or movement of this class to an online setting, then adequate internet supplies will be needed, such as a webcam, microphone, and access to online collaborative tools like Blackboard Collaborate or Zoom.

MATH 0314/1314 Tentative Course Calendar for Spring 2021

Week	Date	Topic
1	Tue, Jan 19	Introduction
	Thu, Jan 21	Asgmt 1 – Linear Equations
2	Tue, Jan 26	Asgmt 2 – Rational Equations
	Thu, Jan 28	Asgmt 3 – Linear Applications
		Asgmt 4 – Complex Numbers
3	Tue, Feb 2	Asgmt 5 – Quadratic Equations
	Thu, Feb 4	Asgmt 6 – Other Types of Equations
4	Tue, Feb 9	Asgmt 7 – Linear and Absolute Value Inequalities
	Thu, Feb 11	**Exam 1**
5	Tue, Feb 16	Asgmt 8 – Functions and Their Graphs
	Thu, Feb 18	Asgmt 9 – Linear Functions and Slope
6	Tue, Feb 23	Asgmt 10 – Distance, Midpoint, and Circles
	Thu, Feb 25	Asgmt 11 – Combination and Composition of Functions
		Asgmt 12 – Inverse Functions
7	Tue, Mar 2	Asgmt 13 – Quadratic Functions and Synthetic Division
	Thu, Mar 4	**Exam 2**
8	Tue, Mar 9	Asgmt 14 – Roots of Polynomials
	Thu, Mar 11	Asgmt 15 – Polynomial Functions and Their Graphs
	Spring Break – March 15 through March 19	
9	Tue, Mar 23	Asgmt 16 – Rational Functions and Their Graphs
	Thu, Mar 25	Asgmt 17 – Polynomial and Rational Inequalities
10	Tue, Mar 30	Asgmt 18 – Exponential and Logarithmic Functions
	Thu, Apr 1	Asgmt 19 – Properties of Logarithms
11	Tue, Apr 6	**Exam 3**
	Thu, Apr 8	Asgmt 20 – Exponential Equations
12	Tue, Apr 13	Asgmt 21 – Logarithmic Equations
	Thu, Apr 15	Asgmt 22 – 2x2 and 3x3 Systems of Equations
13	Tue, Apr 20	Asgmt 23 – Matrix Solutions to Systems
	Thu, Apr22	Asgmt 26 – Determinant's and Cramer's Rule
14	Tue, Apr 27	Asgmt 25 – Nonlinear Systems and Systems of Inequalities
	Thu, Apr 29	**Exam 4**
		Last day to Drop a Course with a grade of W
15	Tue, May 4	Review
	Thu, May 6	Review
16	Tue, May 11	**Final Exam, 1:00-3:00pm**

Academic Integrity (Plagiarism and Cheating Policy): "Complete honesty is required of the student in the presentation of any and all phases of course work. This idea applies to quizzes of whatever length as well to final examinations, to daily reports, and to term papers" *(SPC General Catalog)*.

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.

Email Policy: All students at South Plains College are assigned a standardized SPC e-mail account. Although personal e- mail addresses will continue to be collected, the assigned SPC e-mail account will be used as the official channel of communication for South Plains College. The Student Correspondence Policy can be found at www.southplainscollege.edu. To access the SPC student e-mail account, log in to portal.office.com. (Copied from SPC Student Guide)
Since all students have an assigned SPC email, the instructor will only acknowledge, respond, and send emails to your assigned SPC email. This ensures all correspondence from the instructor is received by the intended recipient.

COVID Syllabus Statement: It is the policy of South Plains College for the Spring 2021 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.

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 cgilster@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.

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.