

South Plains College
Year Long Dual Credit College Algebra Syllabus: MATH 1314

Department: Mathematics, Engineering and Computer Science

Discipline: Mathematics

Course Number: MATH 1314

Course Title: College Algebra

Instructor: Mrs. Ruth Spencer

Available Formats: conventional and online (Blackboard, 2nd semester)

Campuses: Year Long Dual Credit at Slaton High School

Course Description: The class topics consist of Beginning Algebra (Algebra 1), Intermediate Algebra (Algebra 2), and College Algebra topics throughout the year.

Prerequisite: Successful completion with a grade of 'C' or better in Algebra 1. A minimum score of 950 in Math on the TSIA2, or a diagnostic test score of 6 for Math on the TSIA2, or have TSI-exempt status by December 15, 2023 to enroll in the Spring Semester at SPC.

Credit: 3 Lecture: 3 Lab: 1

Textbook (provided by Slaton High School): *College Algebra*, Robert Blitzer, 2014, 6th Edition, Pearson Education, Inc.

Supplies: Pencil and eraser, folder, computer, and a Non-Graphing Calculator (Recommended TI-30XIIS). A TI-30XIIS is provided for use in class only.

Core Curriculum Requirement: This course partially satisfies the Mathematics Foundational Component Area (020).

Core Curriculum Objectives addressed:

- **Communication skills** – effective written, oral, and visual communication
- **Critical thinking skills** – creative thinking, innovation, inquiry, analysis, evaluation, and synthesis of information
- **Empirical and quantitative competency skills** – 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, 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 Assessments: Daily Grades, Unit Exams, and Final Exams will determine the extent of understanding and improvement students achieve during the year.

Course Evaluation: Final Exam for each semester.

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 a 70, upon their discretion, to help the student from harming their GPA. If the student can not receive a 70, the instructor will assign an F.

Plagiarism:

Violations include but are not limited to, the following:

1. Turning in a paper purchased, borrowed, or downloaded from another student, an online site, or a mail order company;
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 student;
6. Altering grade records;

7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work;
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 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 the 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, 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 the Dual Credit portion of this class should notify the Disability Services Office early in the fall 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.

Nondiscrimination Policy: South Plains College does not discriminate on the basis of race, national origin, sex, disability or age in its programs and activities. Contact the Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336, phone number 806-716-2360, with any inquiries regarding non-discrimination policies.

Title IX Pregnancy Accommodations Statement: If you are pregnant, or have given birth within six months, under Title IX you have the 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 for assistance.

Attachments:

1. Fall and Spring Course Calendar
2. Specific Course Grading Information