South Plains College
Math 0314 and Math 1314 – College Algebra with support
Course Syllabus
Fall 2018

Instructor:
Jerod Clopton, E-mail: jclopton@southplainscollege.edu
Office: M102, Phone: 806-716-2738
Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
1:30 to 2:30	9:00 to 11:00	1:30 to 2:30	9:00 to 11:00	10:00 to 12:00

Instructor:
Diane Eagle, E-mail: deagle@southplainscollege.edu
Office: M106, Phone: 806-716-2736
Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
10:00 to 11:00 1:45 to 2:30	1:45 to 2:30	10:00 to 11:00 1:45 to 2:30	1:45 to 2:30	9:00 – 12:00

Textbook: <u>College Algebra with Intermediate Algebra, A Blended Course</u> by Beecher/Penna/Johnson/Bittinger, Pearson Education, 2017. This textbook is available on reserve in the library.

Supplies: Pencils, paper, straightedge, and graph paper. **Only a basic non-graphing calculator (such as a TI-30) will be allowed in class.** Graphing calculators and calculators on cell phones or other electronic devices will **NOT** be allowed during tests or in-class assignments. Calculators may not be allowed on certain assignments and/or portions of exams. Arrive on time and come prepared to take notes every day.

MATH 0314 – College Algebra Support Course:
Course Description: 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.

Student Learning Outcomes:
1. Perform order of operations of real numbers.
2. Perform operations using integer and rational exponents.
3. Factor and perform operations with polynomials.
4. Simplify and perform operations with rational expressions.
5. Simplify and perform operations with radical expressions.
6. Solve linear equations and equalities of a single variable.
7. Solve quadratic equations by factoring and quadratic formula.
8. Solve systems of two linear equations in two variables.
9. Graph linear and quadratic functions.

MATH 1314 – College Algebra:
Course Description: A standard course in college algebra covering quadratic equations, ratio and proportion, variation, binomial theorem, progressions, inequalities, complex numbers, theory of equations, determinants and matrices, linear programming, mathematical induction, permutations and combinations.

Student Learning Outcomes:
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.

General Education Core Objectives:
1. **Critical Thinking:** Students will develop habits of mind, allowing them to appreciate the processes by which scholars in various disciplines organize and evaluate data and use the methodologies of each discipline to understand the human experience.

2. **Communication Skills:** Students will communicate ideas, express feelings and support conclusions effectively in written, oral and visual formats.

3. **Empirical and Quantitative Skills:** Students will develop quantitative and empirical skills to understand, analyze and explain natural, physical and social realms.

Attendance Policy: Attendance will be taken every class period. Students who arrive late, leave early, sleep during class, or fail to sign the attendance sheet may be counted absent. Whenever absences become excessive and, in the instructor's opinion, minimum course objectives cannot be met due to absences, the student will be withdrawn from the course. **Any student who misses 3 consecutive classes or exceeds 5 absences throughout the semester will be administratively dropped and receive a grade of X or F.** Students wishing to drop this class must see the registrar by Thursday, November 15, 2018 to officially withdraw and receive a grade of W.

Course Evaluation: Your final grade will be determined by the average of the highest 6 out of 7 tests (600 points or 60%) the comprehensive final exam (200 points or 20%) and weekly quiz grades (200 points or 20%.) There are 1000 total points possible. Grading will follow the process described below:

Grading Scale:

A	90 to 100	900 to 1000 points
B	80 to 89	800 to 899 points
C	70 to 79	700 to 799 points
D	60 to 69	600 to 699 points
F	Below 60	Below 600 points

If you make a grade of A, B, or C, then that is the grade you will be awarded for **both** portions of the course. However, if you **complete the course** and make a grade of D or F, then your grade for the Math 0314 course will be assessed at your professor's discretion. If you pass Math 0314 (C or higher)

but not the Math 1314 portion of the course, you will be able to register for Math 1314 in future semesters.

Exams: Dates for the 7 major tests and comprehensive final exam are listed on the calendar. **There are NO makeup tests.** The lowest grade of the 7 major tests will be dropped, provided the student completed the course and took the final exam. The final exam is **NOT** eligible to be dropped. A single missed exam score will be dropped; however, a second missed test will be averaged as a zero. In the event of a known, upcoming absence, it may be possible to take a test early; check with your professor.

Daily Grades: Homework will be assigned from each section covered and checked during the following class. All steps/work must be neatly shown and the answer clearly indicated. Do not submit "answer sheets." Consistently working problems reinforces the skills and concepts presented and is essential for success in this course. Expect to spend *at least* two hours outside of class for each hour you spend in class working on math. Completed homework earns 1 bonus point; no homework earns –1 point. Homework points add to (or subtract from) your cumulative point total. **Absolutely NO late homework assignments will be accepted.** Weekly quizzes may be given during lab time. To do well on the quizzes, you need to complete the homework. Focus your effort on being able to complete the problems on a quiz/exam without any outside resources. **There is NO makeup for quizzes and a grade of zero will be assigned.** Quiz grades comprise 200 points, or 20% of your overall average.

Tutoring: Students can obtain free tutoring in room M116 in the math building on the South Plains Campus in Levelland or in Building 2 at the Reese Center. Tutoring schedules will be posted on campus and on Blackboard. Please remember to sign in when you seek the help of a tutor in each of these places.

Additional Resources: Blackboard is the online management system used for this course. Your grades, along with the course syllabus, handouts, reviews, and PowerPoint slides accompanying our textbook can all be accessed through Blackboard. Opportunities for bonus points are occasionally posted. Videos of many topics are also available and a link is provided on Blackboard for online viewing. Additional free tutorial videos are available at the following sites: http://patrickjmt.com/, http://www.mathtv.com/, and http://www.khanacademy.org/. These links are posted on Blackboard. **Be sure to check Blackboard and your SPC email account regularly for class announcements and updates.**

Classroom Civility: Students are expected to be respectful of their fellow classmates and maintain a classroom environment that is conducive to learning. Turn off all cell phones and other electronic devices **before** entering the classroom. The instructor reserves the right to ask a student to leave if his/her cell phone is left on and disrupts the class. Refrain from using offensive language, talking loudly or off-topic, working on outside assignments, chewing tobacco products, or otherwise being disruptive in class. Food and/or drinks are NOT allowed in the classroom.

Academic Honesty: Students are expected to uphold the ideas of academic honesty. Academic dishonesty includes, but is not limited to, cheating on tests, collaborating with another student during a test, copying another student's work, using materials not authorized, and plagiarism. **Use of a graphing calculator, cell phone, or other electronic devices or apps during any in-class assignment or exam will result in a grade of zero.** Leaving the classroom during an exam will not be permitted. Students who do not follow the academic honesty policy will receive a grade of zero for the assignment, and may be dropped from the course with an F, or face possible suspension.

Equal Opportunity: South Plains College strives to accommodate the individual needs of all students in order to enhance their opportunities for success in the context of a comprehensive community college setting. It is the policy of South Plains College to offer all educational and employment opportunities without regard to race, color, national origin, religion, gender, disability or age.

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) and Lubbock Center 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

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.

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, please refer to the SPC policy at: (http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.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 911.