

## Math 1314 College Algebra

Purpose of Course: To provide standard course in college algebra including quadratic equations, inequalities, the binomial theorem and many other concepts necessary for a transferable course in college algebra.

**Textbook:** The textbook for this course may be any of the following:

Beecher, J. A., Penna, J. A., Johnson, B. L., & Bittinger, M. L. (2017). College Algebra with Intermediate Algebra: A Blended Course. Boston: Pearson. ISBN 0134555260.

Blitzer, R. (2018). College Algebra, 7<sup>th</sup> ed. New Jersey: Pearson Prentice Hall. ISBN 978-0-134-46916-4.

Blitzer, R. (2007). College Algebra, 6<sup>th</sup> ed. New Jersey: Pearson Prentice Hall. ISBN 978-0-321-78228-1.

Blitzer, R. (2010). College Algebra, 5<sup>th</sup> ed. New Jersey: Pearson Prentice Hall. ISBN 0-321-55983-5.

### **Graphing calculators are not allowed.**

Attendance: Attendance of all class meetings is mandatory. In order to be officially dropped from the class, students must go to the registrar's office to withdraw with a grade of W. Students who fail to withdraw themselves from a class will receive an F for the course.

Cell Phones: In this class, the instructor reserves the right to ask a students to leave the class if a cell phone is left on and it disrupts the class. This instructor defines disrupting the class as allowing the phone to ring, vibrate in class or answering the phone in class. This is very disrespectful to your classmates and your instructor.

Grade Determination: Your final grade will be the average of the major exams, the homework average and the final exam. There will be no makeup exams given. A missed exam will receive a grade of 0. The final exam will be used to replace a missing test grade by being counted twice.

A(90-100)      B(80-89)      C(70-79)      D(60-69)      F(0-59)

Homework: Homework will be assigned daily. Questions are taken at the next class period only. You are responsible for keeping up to date and prepared. No late homework will be accepted...no exceptions. Keeping up to date and current on homework has been shown to correlate with passing the course. Some short homework assignments will be done in class and turned in during the class. These in class assignments cannot be made up.

\*During exams and quizzes the use or possession of smartphones, smart watches, water bottles or any labeled bottled drinks, and bathroom breaks are not allowed. Any infraction will be penalized with a minimum 15 point deduction on exam and can result in the removal of the student from the course.

Dropping a course: Refer to the current catalog.

Course Outcomes: To complete this course and receive a passing grade, the student will be using empirical, quantitative, qualitative, and communication skills to help them master the following:

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.

Monday	Tuesday	Wednesday	Thursday	Friday
Aug 27 Forms and Assessment	Aug 28	Aug 29 1.2 ,1.3	Aug 30	Aug 31
Sept 3 <b>Labor Day Holiday</b>	Sept 4	Sept 5 1.4,1.5	Sept 6	Sept 7
Sept 10 1.6	Sept 11	Sept 12 1.7, Review	Sept 13	Sept 14
Sept 17 <b>Test 1</b>	Sept 18	Sept 19 2.1,2.2	Sept 20	Sept 21
Sept 24 2.3,2.6	Sept 25	Sept 26 2.4,2.8	Sept 27	Sept 28
Oct 1 3.1	Oct 2	Oct 3 Review	Oct 4	Oct 5
Oct 8 <b>Test 2</b>	Oct 9	Oct 10 3.2, 3.3	Oct 11	Oct 12 Fall Break
Oct 15 3.4	Oct 16	Oct 17 3.5	Oct 18	Oct 19
Oct 22 3.6	Oct 23	Oct 24 Review	Oct 25	Oct 26
Oct 29 <b>Test 3</b>	Oct 30	Oct 31 4.1, 4.2	Nov 1	Nov 2
Nov 5 4.3,4.4	Nov 6	Nov 7 4.5,5.1	Nov 8	Nov 9
Nov 12 5.4	Nov 13	Nov 14 5.2,5.5	Nov 15 LDTD	Nov 16
Nov 19 6.2	Nov 20	Nov 21 Thanksgiving Holiday	Nov 22 Thanksgiving Holiday	Nov 23 Thanksgiving Holiday
Nov 26 6.5, 8.5	Nov 27	Nov 28 Review	Nov 29	Nov 30
Dec 3 <b>Test 4</b>	Dec 4	Dec 5 Final Review	Dec 6	Dec 7
Dec 10 Final Exams Section 7 8-10 am Section 8 10:15-12:15	Dec 11	Dec 12	Dec 13	Dec 14

**Equal Opportunity:** 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 change, we will not only mirror society as it is, but also model society as it should and can be.

#### **4.1.1.1. 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.

#### **4.1.1.2. Disabilities 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.

#### **4.1.1.3. Non-Discrimination Statement**

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.

#### **4.1.1.4 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 Chris Straface, Director of Health and Wellness at 806-716-2362 or email [cstraface@southplainscollege.edu](mailto:cstraface@southplainscollege.edu) for assistance.

#### **4.1.1.5 OPTIONAL STATEMENT - Campus Concealed Carry Statement**

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.