

## 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 but is **not required**.

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
January 14	January 15 Forms and Assessment	January 16	January 17 1.2 ,1.3	January 18
January 21 <b>MLK Holiday</b>	January 22 1.4,1.5	January 23	January 24 1.6	January 25
January 28	January 29 1.7	January 30	January 31 Review	February 1
February 4	February 5 <b>Test 1</b>	February 6	February 7 2.1,2.2	February 8
February 11	February 12 2.3,2.6	February 13	February 14 2.4,2.8	February 15
February 18	February 19 3.1(& more on functions)	February 20	February 21 Review	February 22
February 25	February 26 <b>Test 2</b>	February 27	February 28 3.2, 3.3	March 1 Fall Break
March 4	March 5 3.4	March 6	March 7 3.5	March 8
March 11 <b>Spring Break</b>	March 12 <b>Spring Break</b>	March 13 <b>Spring Break</b>	March 14 <b>Spring Break</b>	March 15 <b>Spring Break</b>
March 18	March 19 3.6	March 20	March 21 Review	March 22
March 25	March 26 <b>Test 3</b>	March 27	March 28 4.1, 4.2	March 29
April 1	April 2 4.3,4.4	April 3	April 4 4.5,5.1	April 5
April 8	April 9 5.4	April 10	April 11 5.2, LDTD	April 12
April 15	April 16 6.2,5.5	April 17	April 18	April 19
April 22 <b>Easter Holiday</b>	April 23 6.5, 8.5	April 24	April 25 <b>LDTD</b> Review	April 26
April 29	April 30 <b>Test 4</b>	May 1	May 2 Final Review	May 3
May 6	May 7 Section 7 10:15-12:15	May 8	May 9 Section 9-= 10:15-12:15	May 10 <b>Commencement</b>

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.