



Math 1314 – College Algebra – Fall 2016

Instructor Information: Jacqueline Fowler
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Course Objectives: To successfully complete this course, you must master 70% of the following:

- Solve and graph problems involving linear, quadratic, exponential, and logarithmic functions.
- Solve and graph problems involving linear, quadratic, rational inequalities.
- Identify and simplify complex numbers.
- Apply midpoint, distance, and circle formulas.
- Analyze and graph polynomial and rational functions.
- Create and solve systems of equations using algebraic techniques, matrix techniques, and determinants.
- Apply the Binomial Theorem to expand binomials.

Core Objectives:

Communication Skills:

- Develop, interpret, and express ideas through written, oral, and visual communication

Critical Thinking:

- Generate and communicate ideas by combining, changing, and reapplying existing information
- Gather and assess information relevant to a question
- Analyze, evaluate, and synthesize information

Empirical and Quantitative Competency Skills:

- Manipulate and analyze numerical data and observable facts, and arrive at an informed conclusion

Required Materials/Supplies

- Textbook: College Algebra, 5th or 6th edition, by Robert Blitzer
- Pencils, erasers, 3-ring binder, notebook paper
- Graphing calculator: TI 83-Plus or TI 84-Plus

ADA Policy: 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, visit the Disability Services Office at Reese in building 8, or call 806-16-4675.

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.

Diversity: 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.

Blackboard: Blackboard is an online course management system that SPC uses for course information. In Blackboard, you will find all course information. For technical support, call 806-716-2180 or email blackboard@southplainscollege.edu.

Attendance Policy: Attendance and effort are the most important activities for success in this course. If you are absent, it is your responsibility to see a classmate to get the assignment and notes. I will not teach the lesson to individual students because of an absence. **If you have 4 consecutive or 6 cumulative absences, you may be dropped from this class and receive an X or F at my discretion.**

Academic Integrity: It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. Please refer to the SPC Student Guide under “Student Misconduct” and “Academic Integrity” regarding consequences for cheating and plagiarism.

Communication: I will do my best to respond to all emails within 24 hours. The response time will be longer over the weekend. Sign your name to the bottom of EVERY email, do not use text language in your emails, and do not use ALL CAPS.

Homework grades: Homework will be turned in every Tuesday, and will not be accepted late. If you will be absent when homework is due, send your homework with another student or email it to me.

Exams: Dates for exams are located in the outline. **There are no make-up exams.** If you are absent on the day an exam is given, you will receive a zero for the exam. There will be a comprehensive final exam at the end of the semester. There are no exemptions for the final exam. Everyone is required to take it. The final exam will be used to replace the lowest test only if the Final Exam is higher.

Grading Scale and Policy:

Homework	20%	A:	90 – 100
Test 1	20%	B:	80 – 89
Test 2	20%	C:	70 – 79
Test 3	20%	D:	60 – 69
Final Exam	20%	F:	0 – 59