South Plains College
Mathematics, Engineering, & Computer Science Department
College Algebra – MATH 1314.607
Monday & Wednesday: 9:00am – 10:45am
Course Syllabus - Fall 2026

Instructor: Jake Wyatt
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Office Hours: (Levelland Campus M110): T & R: 10:45-11:45am & 2:15-3:00pm, F: 9:00-11:00am, and by appointment.
(Lubbock Campus B001): M & W: 8:00 – 9:00am & 12:15 – 1:00pm, and by appointment

Course Description: MATH 1314 is the study and mathematical application of functions and their graphs.

Credit: 3 Semester Credit Hours
Prerequisites: None
Textbook: College Algebra 2e, by Jay Abramson. Free access at: www.openstax.org

Attendance: Attendance and effort are the most important activities for success in this course. Class attendance may be taken at any time during the class period, so please do not arrive late or leave early.

Class Format:

9:00 – 9:30	Questions from Students
9:30 – 10:15	Lecture
10:15 – 10:20	Break
10:20 – 10:45	Lab Assignment

Lab Assignments: Lab assignments (labs) are short worksheets to be completed in class. The lab consists of problems related to the lecture. If the lab cannot be completed by 10:45am, then an extension without penalty will be granted. However, if a student leaves early before completing the lab, no extension will be granted and he or she must turn in the incomplete lab before leaving. Make-up labs are only permitted in the case of an excused absence. Group work is encouraged during labs.

Homework: Homework will be assigned at each class meeting but will not be graded until exam day.
Format for all homework assignments:
1. Copy the given problem on your own paper.
2. Solve, showing all the necessary work. Use graph paper when graphing.
3. Clearly mark your answer.
4. Check your answer with the answer key to make certain you are practicing correctly.

Notebook: You are required to maintain a 3-ring binder with four dividers, labeled: Notes, Homework, Lab Assignments, & Exams. Your notebook will be collected on exam days and will be graded for completeness and neatness.

Tutoring: One hour per week of tutoring lab attendance is required throughout the semester. Please visit the following website for SPC tutoring information. https://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php

Grading:

Notebook:	10%
Lab Assignments:	10%
3 Exams:	20% each
Final Exam:	20%

Note: Your lowest exam score will be replaced with your final exam score, provided the latter is higher.
Your final average in the course will determine the letter grade posted on your transcript. This grade is determined by the following scale. A(90-100%), B(80-89%), C(70-79%), D(60-69%), F(0-59%).

Technology: A non-graphing calculator may be used if needed on assignments and tests. The TI-30XII2 is a good option. Cell phones and computers are prohibited except for note taking.

Supplementary Information: The course syllabus, schedule, and grades can be accessed through Blackboard, the online course management system for this course. Please email questions regarding Blackboard support to blackboard@southplainscollege.edu. For information regarding official South Plains College statements about diversity, disabilities, non-discrimination, Title V Pregnancy & Parenting Accommodations, and Campus Concealed Carry, please visit: https://www.southplainscollege.edu/syllabusstatements/.

College Algebra, Tentative Course Schedule – Fall 2026
MATH 1314.607 (MW 9:00 – 10:45am)

Topics & Assignments from OpenStax: College Algebra 2e
By Jay Abramson

Week	Date	Topic	Assignment
1	Aug 24 – M	2.1 The Rectangular Coordinate System & Graphs	1: 1-41 odd
	Aug 26 – W	2.2 Linear Equations in One Variable	2: 5-21 odd
2	Aug 31 - M	2.3 Models and Applications	3: 1-53 eoo
	Sep 2 – W	2.4 Complex Numbers	4: 5-41 odd
3	Sep 7 – M	*Labor Day Holiday – No Class*	
	Sep 9 – W	2.5 Quadratic Equations	5: 1-43 odd
4	Sep 14 – M	2.6 Other Types of Equations	6: 1-2, 7-41 odd
	Sep 16 – W	2.7 Linear & Absolute Value Inequalities	7: 1-53 odd
5	Sep 21 – M	**Exam 1 (20%)**	
	Sep 23 – W	3.1 Functions and Function Notation	8: 1-75 odd, 91
6	Sep 28 – M	3.2 Domain and Range	9: 7-53 odd
	Sep 30 – W	3.3 Rates of Change and Behavior of Graphs	10: 1-33 odd, 45
7	Oct 5 – M	4.1 Linear Functions	11: 1-93 eoo, 119
	Oct 7 – W	5.1 Quadratic Functions	12: 1-49 odd, 67
8	Oct 12 – M	5.2 Power Functions & Polynomial Functions	13: 1-45 odd
	Oct 14 – W	5.3 Graphs of Polynomial Functions	14: 1-47 odd
	Oct 16 – F	*SPC Fall Break – No Office Hours*	
9	Oct 19 – M	**Exam 2 (20%)**	
	Oct 21 – W	5.4 Dividing Polynomials	15: 1-53 odd
10	Oct 26 – M	5.5 Zeros of Polynomial Functions	16: 7-59 odd
	Oct 28 – W	5.6 Rational Functions	17: 7-49 odd
11	Nov 2 – M	6.1 Exponential Functions 6.2 Graphs of Exponential Functions	18: 15-25 odd, 45, 47 9, 11, 13, 15, 17, 19-22 all, 43
	Nov 4 – W	6.3 Logarithmic Functions 6.4 Graphs of Logarithmic Functions	19: 7-51 eoo 7-25 odd, 41-45 odd
	Nov 6 – F	*Registration Opens for Spring*	
12	Nov 9 – M	6.5 Properties of Logarithms	20: 3-25 odd
	Nov 11 – W	6.6 Exponential & Logarithmic Equations	21: 5-49 odd
13	Nov 16 – M	**Exam 3 (20%)**	
	Nov 18 – W	7.1 Systems of Linear Equations: Two Variables 7.2 Systems of Linear Equations: Three Variables	22: 1-29 odd, 41, 43, 59 1, 7-27 odd, 55
14	Nov 23 – M	7.3 Systems of Nonlinear Equations & Inequalities	23: 7-23 odd, 39-43 odd
	Nov 25 – W	*Thanksgiving Holiday – No Class*	
	Nov 26 – R	*Thanksgiving Holiday – No Office Hours*	
	Nov 27 – F	*Thanksgiving Holiday – No Office Hours*	
15	Nov 30 – M	7.5 Matrices & Matrix Operations 7.8 Solving Systems with Cramer's Rule	24: 7-23 odd 25-39 odd
	Dec 2 – W	Review for Comprehensive Final	
16	Dec 9 – W 8:00 – 10:00am	**Final Exam (30%)**	

Note: The instructor reserves the right to modify the course syllabus and schedule, as well as notify students of any changes, at any point during the semester.