

South Plains College
Department of Mathematics and Engineering
MATH 1314-College Algebra
Fall 2018 Course Syllabus

Instructor: Mrs. Bethany Goen, B.S., M.A.

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Facebook Page: Mrs. Goen's Mathematics Class

Office: Room 41

Office Hours: M-Th 11am-1pm; M-W 3pm-4:30pm, or by appointment

Course Description: MATH 1314. COLLEGE ALGEBRA. M-F 1:10pm-2pm

Prerequisite: Two units of high school algebra or MATH 0320. A standard course in college algebra. 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. (SPC catalog)

Disclaimer: The instructor reserves the right to alter any class policies/dates as deemed necessary by the instructor, and will announce any changes in class.

Supplies: You will need a graphing calculator, pencils, and paper. You may use either the TI-84+ or TI-nSpire CX (not the CX CAS) graphing calculators. You will also be required to bring your chrome book to class each day. Please use a notebook to keep all class notes, homework, and exams together, which will be useful for your comprehensive final exam. Please note: I require pencil on all graded work. You will be given one warning and after that, you will earn a zero on any work where you fail to follow my instructions.

Textbook: Beecher, Judith A., et al. *College Algebra with Intermediate Algebra: A Blended Course*. Pearson, 2017.
ISBN-13# 978-0-13-455526-3 and ISBN-10# 0-13-455526-0

Accessing Blackboard: Go to: <http://spc.blackboard.com>

User name: first initial, last name, and last 4 digits of your Student ID Password: Original Campus Connect Pin No. (found on SPC acceptance letter) If you need assistance with Blackboard, please email blackboard.southplainscollege.edu.

Course Objectives: Successful completion of this course should reflect mastery of the following objectives:

1. Solve and graph problems involving linear, quadratic, exponential, and logarithmic functions;
2. Solve and graph linear, quadratic, and rational inequalities;
3. Identify and simplify complex numbers;
4. Apply the midpoint, distance, and circle formulas;
5. Analyze and graph polynomial and rational functions;
6. Understand and apply the Fundamental Theorem of Algebra and the Intermediate Value Theorem;
7. Create and solve systems of equations using multiple methods;
8. Evaluate various sequences and series using multiple methods;
9. Explain and apply the Counting Principles and the Principle of Mathematical Induction;
10. Apply the Binomial Theorem to expand binomials of higher degree;
11. Demonstrate college-level skills in communication, critical thinking, and data analyzation.

Grading Policy: Grades will be posted on blackboard. If you think I have recorded a grade incorrectly, please notify me immediately and I will check my hard copy.

<u>Category</u>	<u>Percentage of Final Grade</u>	<u>Overall Grade</u>
Assignments	10%	A: 90%-100%
Quizzes	30%	B: 80%-89%
Exams	40%	C: 70%-79%
Comprehensive Final	20%	D: 60%-69%
Bonus Problems	+5 points on your exam	F: 0%-59%

Concerning Assignments & Assessments: You should expect to spend as much time outside of class as you do in class completing homework problems and studying. Your goal is to acquire the skills necessary to be successful in any following mathematics course. You must demonstrate that you have these skills before I recommend you take MATH 1316 or MATH 1342. Homework will be assigned at each class meeting. If you are absent, your homework assignment can be found on Blackboard. Homework is an opportunity to learn and practice the art of algebra. Please feel free to collaborate with your classmates, check the solutions in your book, watch videos on YouTube, such as those at KhanAcademy.org, or use resources such as desmos.com, wolframalpha.com, etc. If you are interested in passing the class, you will need to do well on the quizzes and tests. These assessments will be done independently and without the aid of any technology, with the exception of your calculator. Even when using calculators, one must show all pertinent work. To do well on the quizzes, you will need to not only complete the homework, but understand it. No late assignments will be accepted. You should show all work when doing any assignment or assessment in this class, and it must be done in pencil. **There are no retakes or corrections in this class.** If you complete all assignments on time and make above a 60 on each one, I will drop your lowest quiz grade. If you do poorly on an exam, you may replace up to one exam grade with the grade from your comprehensive final exam. You will be given the opportunity to earn five extra points on each exam by completing bonus problems. These are due the day of the test. All work must be shown on these problems, including a written justification of your solution.

Attendance: In order to be successful, you must be in attendance. Class attendance may be taken at any time during the class period, so please do not be tardy or leave early. Failure to attend this class can result in an F on your transcript. If you should incur an absence, please refer to your syllabus, contact your professor, or contact another student to get the assignment completed BEFORE the next class. Late homework and makeup quizzes are not an option. If you miss an exam, a make-up exam will only be given if prior arrangements have been made, preferably prior to the exam day.

Testing: All tests will start at 1pm and last one hour. Once you begin the exam, you will not be allowed to leave the classroom until the exam is submitted for grading. The use of electronics during an exam will earn you a zero on the exam.

The following statements are taken from the Employee Handbook:

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. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension. Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in an office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of course work. This applies to quizzes of whatever length, as well as to final examinations, to daily reports and to term papers. Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines and other reference works, or from the themes, reports or other writings of a fellow student, is guilty of plagiarism.

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.

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.

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.

Attendance Policy: Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus. When an unavoidable reason for class absence arises, such as illness, an official trip/activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy. It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

Tentative Course Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
27-Aug	28-Aug	29-Aug	30-Aug	31-Aug
1st Class Day				
Assignment 1: \$P.1	Assignment 1: \$P.2 & \$P.3	Assignment 1: \$P.4	Assignment 1: \$P.5	Assignment 1: \$P.6
3-Sep	4-Sep	5-Sep	6-Sep	7-Sep
Labor Day-No Class	A1 Due			
	Assignment 2: \$1.1 & Quiz 1	Assignment 2: \$1.2	Assignment 2: \$1.3	Assignment 2: \$1.4
10-Sep	11-Sep	12-Sep	13-Sep	14-Sep
		12th Class Day		A 2 Due
Assignment 2: \$1.5	Assignment 2: \$1.6	Assignment 2: \$1.7	Chapter 1 Lab Day	Assignment 3: \$2.1 & Quiz 2
17-Sep	18-Sep	19-Sep	20-Sep	21-Sep
Assignment 3: \$2.2	Assignment 3: \$2.3	Assignment 3: \$2.4 & Quiz 3	Assignment 3: \$2.5	Chapter 2 Part A Lab Day
24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
	A3 Due			
Making Connections	EXAM 1	Assignment 4: \$2.6	Assignment 4: \$2.7	Assignment 4: \$2.8
1-Oct	2-Oct	3-Oct	4-Oct	5-Oct
Chapter 2 Part B Lab Day	Assignment 4: \$3.1 & Quiz 4	Assignment 4: \$3.2	Assignment 4: \$3.3	Assignment 4: \$3.4
8-Oct	9-Oct	10-Oct	11-Oct	12-Oct
SHS Break-No Classes				
	Assignment 4: \$3.5 & Quiz 5	Assignment 4: \$3.6	Assignment 4: \$3.7	Chapter 3 Lab Day
15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
	A4 Due			
Making Connections	EXAM 2	Assignment 5: \$4.1	Assignment 5: \$4.1 & \$4.2	Assignment 5: \$4.2 & Quiz 6
22-Oct	23-Oct	24-Oct	25-Oct	26-Oct
Assignment 5: \$4.3	Assignment 5: \$4.4	Assignment 5: \$4.4 & Quiz 7	Assignment 5: \$4.5	Assignment 5: \$5.1
29-Oct	30-Oct	31-Oct	1-Nov	2-Nov
		A5 Due		
Assignment 5: \$5.2 & Quiz 8	Chapters 4 & 5 Lab Day	Assignment 6: \$6.1	Assignment 6: \$6.1 & Quiz 9	Assignment 6: \$6.2
5-Nov	6-Nov	7-Nov	8-Nov	9-Nov
				A6 Due
Assignment 6: \$6.3	Assignment 6: \$6.3 & Quiz 10	Chapter 6 Lab Day	Making Connections	EXAM 3
12-Nov	13-Nov	14-Nov	15-Nov	16-Nov
			Last Day to Drop	
Assignment 7: \$8.1	Assignment 7: \$8.2	Assignment 7: \$8.3 & Quiz 11	Assignment 7: \$8.4	Assignment 7: \$8.4
19-Nov	20-Nov	21-Nov	22-Nov	23-Nov
Fall Break SHS	Fall Break SHS	Fall Break SHS	Fall Break SHS	Fall Break SHS
26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
				A7 Due
Assignment 7: \$8.5	Assignment 7: \$8.6 & Quiz 12	Chapter 8 Lab Day	Making Connections	EXAM 4
3-Dec	4-Dec	5-Dec	6-Dec	7-Dec
Class Evaluations!!				
EXAM 1 Q&A Lab	EXAM 2 Q&A Lab	EXAM 3 Q&A Lab	EXAM 4 Q&A Lab	Making Connections
10-Dec	11-Dec	12-Dec	13-Dec	14-Dec
FINALS	FINALS	FINALS	FINALS	
FINAL EXAM	FINAL EXAM			SPC GRADES DUE!