

South Plains College  
**Math 0315.002 MTWR Syllabus**  
**Beginning Algebra**  
Summer I 2019  
Reese Bld 2, RM 225

**Instructor:** Mrs. Morgan Groves  
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**Textbook:** This section does NOT require you to purchase a textbook. All resources are online through Knewton.com (the online homework system) or in your class notes. This course is based on the Openstax text for Elementary Algebra.

**Course Description:** This course is designed for students who need MATH 0320 and have not had one year of high school algebra. Topics include signed numbers, algebraic expressions, linear equations and inequalities in one unknown, and graphing. Time in a math lab is required. This course will not satisfy graduation requirements. This course is required if testing indicates a need.

**Course Requirements:** To maximize the potential to complete this course, a student should attend all classes, take notes and participate in class, complete all homework assignments and examinations including final examinations. A student should work all homework problems by hand keeping a spiral of homework assignments with all work shown neatly. This is for practice purposes, as neat, legible work is expected on exams.

**Student Learning Outcomes/Competencies\*:**

Upon successful completion of this course, students will:

1. Add, subtract, multiply and divide real numbers
2. Use the order of operations to simplify an expression
3. Simplify algebraic expressions
4. Solve linear equations
5. Translate and solve word problems
6. Solve linear inequalities
7. Graph equations in two variables by the intercept method and the slope intercept method
8. Solve systems of equations by graphing, substitution, and elimination
9. Evaluate expressions using exponent rules
10. Add, subtract, multiply and divide polynomials
11. Factor polynomials
12. Solve quadratic equations by factoring

\*Developed by the Coordinating Board and the Faculty of South Plains College's Math and Engineering Department

<b>Grading Scale:</b>	A	90 – 100		
	B	80 – 89	Daily:	15%
	C	70 – 79	Exams:	65%
	D	60 – 69	Final Exam:	20%
	F	0 – 59	Bonus Tests:	5%

\*\*\*Note: Students must justify answers or show work on all problems to receive full credit.

**Homework:** Most homework assignments will be online through a system called Knewton. You can find directions for creating a student account and getting registered into the online homework system attached. Homework is to be completed by the due dates posted on each assignment. No late homework will be accepted. There might be times when homework is written. This work is to be completed in pencil on your own paper showing all steps, the assignment paper acting as a cover sheet.

**Tests:** There will be a total of 4 exams in this course. No notes/homework/textbooks will be allowed on ANY exam. All exams are expected to be completed in the allotted class time, no exceptions. No exam grades will be dropped. Exam corrections are for your own learning well-being and will not be graded but are expected to be completed after each exam is returned. Exam grades are not posted online anywhere. You will get all of your midterm exams back. It is in your best interest to save ALL graded documents until your final grade is assigned at the end of the term. If you do not take the final exam, you will fail the class regardless of your average at the time of the final. A minimum grade of 70 is needed to successfully pass this course. Final exams will not be returned.

**Bonus Tests:** There are weekly bonus tests on Knewton. If you complete these tests, you can earn up to 5 percentage points added to your final grade. These tests are optional but they are timed and they do expire at the end of each week. The average of your bonus test scores will determine the number of points added to your final average (i.e. If you average 80% on the bonus tests, then you will be awarded  $80(0.05) = 4$  points to your final average.) Any bonus test you skip will be scored as a 0.

**Late work:** Late work is not accepted. If you do not turn in an assignment on time, you will receive a zero.

**Calculators:** You are allowed a basic, non-graphing, non-scientific calculator in this course **AFTER** exam 1.

**Attendance Policy:** Attendance will be taken every class period. Students who arrive late, leave early, or sleep during class will be counted  $\frac{1}{2}$  absent. **Any student who misses 4 consecutive classes or exceeds 5 total absences throughout the summer session will be administratively dropped and receive a grade of X or F.** This attendance policy is strictly enforced.

**Academic Integrity:** Academic dishonesty will not be tolerated. You are expected to uphold the ideas of academic honesty. All work that is graded must be your own. This policy applies to all work attempted in this course. If this policy is violated the student will receive an F for the assignment. Furthermore, the instructor reserves the right to drop you from the course with an F. The instructor will make the decision to report you to the college and have the academic dishonesty put on your permanent record. You will also never be allowed to take another course with this instructor in the future. For more details on what is considered cheating, see the South Plains College catalog. If you are caught cheating on any assignment, you will not be allowed to take another class with this instructor in the future.

**Class Rules:**

- Be courteous and respectful at all times.
- Be on time and ready to learn.
- Keep your hands and feet to yourself.
- Use only pencil for all assignments.
- No food or drinks in class other than bottled water.
- Students are not permitted to use electronic devices, other than a calculator, in class. **Put the cell phones away!!**
- During testing, all cell phones should be placed on SILENT or turned off, and all smart watches need to be removed and placed inside a bag and out of sight. All cell phones should be placed face down on the floor next to your seat.
- Adhere to the requirements of the Student Code of Conduct.

**Core Objectives:**

This course satisfies the following Core Objectives:

**Communication Skills:**

- Develop, interpret, and express ideas through written communication
- Develop, interpret, and express ideas through oral communication
- Develop, interpret, and express ideas through 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 arrive at an informed conclusion
- Manipulate and analyze observable facts and arrive at an informed conclusion

**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.

**Disability 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 Special Services Office at South Plains College 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 Special Services Coordinator. You must also talk directly to your instructor to inform her of your requests. This conversation must happen within the first two weeks of classes.

**Campus Concealed Carry:** Campus Concealed Carry - 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, please refer to the SPC policy at: [http://www.southplainscollege.edu/human\\_resources/policy\\_procedure/hhc.php](http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.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.

**Disclaimer**

*The instructor reserves the right to alter any class policies as deemed necessary by the instructor or South Plains College, and will announce any changes in class. If a student has any questions about a change in policy ask the instructor for clarification.*

Tentative Math 0315 Calendar				
Day	Date	Topic	Notes/Unit	Bonus Test
Monday	June 3	Syllabus, Prime Factorization, Language of Algebra	1.1	1
Tuesday	June 4	Order of Operations, Intro to Integers and Absolute Value, Operations on Integers	1.2	
Wednesday	June 5	Simplifying Expressions with Integers, Operations on Fractions	1.3	
Thursday	June 6	Operation on Decimals, the Number Line, Properties of Real Numbers	1.4	
Monday	June 10	<b>Exam 1</b> <i>No Calculators</i>	<b>Unit 1</b>	2
Tuesday	June 11	Solving Equations, Solving Equations with Fractions and Decimals	2.1	
Wednesday	June 12	Solving Linear Inequalities, Problem Solving with Percentages	2.2	
Thursday	June 13	Mixture Problems, Problem Solving using Geometry, Uniform Motion, Linear Inequality Applications	2.3	
Monday	June 17	<b>Exam 2</b>	<b>Unit 2</b>	3
Tuesday	June 18	Rectangular Coordinate System, Graphing Lines, Slope	3.1	
Wednesday	June 19	Slope-Intercept Form, Parallel and Perpendicular Lines	3.2	
Thursday	June 20	Solving Systems by Graphing, Substitution, and Elimination	3.3	
Monday	June 24	<b>Exam 3</b> <i>Last Day to Drop</i>	<b>Unit 3</b>	4
Tuesday	June 25	Add, Subtract, Multiply Polynomials; Exponents Part 1	4.1	
Wednesday	June 26	Divide Polynomials; Exponents Part 2	4.2	
Thursday	June 27	GCF; Factoring Trinomials with Leading Coefficient 1	4.3	
Monday	July 1	<b>Exam 4</b>	<b>Unit 4</b>	5
Tuesday	July 2	Factoring Trinomials with Leading Coefficient not 1, Special Products	5.1	
Wednesday	July 3	Factoring Summary, Solving Equations using Factoring	5.2	
Thursday	July 4	<b>Holiday</b>		
Monday	July 8	Review	All	None
Tuesday	July 9	<b>Final Exam</b>	<b>Cumulative</b>	

\*Last Day to Drop: June 24<sup>th</sup>