South Plains College
Math 0315.002 MW Syllabus
Beginning Algebra
Spring 2019

Instructor: Mrs. Morgan Groves   **Office Phone:** 716-2735
Email: mgroves@southplainscollege.edu
Office: M101   **Office Hours:** M 7:50am – 8:50am, 1:20pm – 2:20pm
                                                            T 2:45pm – 3:45pm
                                                            W 1:20pm – 2:20pm
                                                            R 7:50am – 8:50am
                                                            F   8am – 11am

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.

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

Grading Scale:

A	90 – 100		
B	80 – 89	Daily:	20%
C	70 – 79	Exams:	60%
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. However, ***if your final exam grade is higher than your lowest test grade, then it will replace your lowest test grade at the end of the course if you have fewer than 3 absences.*** 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 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.

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: Most of this course can be done (and should be done) without the use of any calculators. However, there may be specific times during the semester when the use of a non-graphing, scientific calculator (or a 4 function calculator) will be acceptable. It is the student's responsibility to get an appropriate calculator when one is allowed. Any graphing calculators are **not** allowed in this course.

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 semester will be administratively dropped and receive a grade of X or F.**

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. If any case of academic dishonesty occurs, <u>you will lose the privilege of allowing your final exam to replace your lowest test grade.</u> Furthermore, the instructor preserves 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.
- 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. 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 Calendar for Math 0315		
Day	**Date**	**Topic**	**Notes/Unit**	**Bonus Test**
Monday	Jan 14	Syllabus, Prime Factorization, Language of Algebra	1.1	1
Wednesday	Jan 16	Order of Operations, Direct Translation (expressions), Intro to Integers and Absolute Value	1.2	
Monday	Jan 21	**Holiday - MLK**		2
Wednesday	Jan 23	Operations on Integers, Simplifying Expressions with Integers	1.3	
Monday	Jan 28	Operations on Fractions	1.4	3
Wednesday	Jan 30	Operation on Decimals, the Number Line	1.5	
Monday	Feb 4	Properties of Real Numbers, Systems of Measurements	1.6	4
Wednesday	Feb 6	Solving Equations	2.1	
Monday	Feb 11	**Exam 1**	**Unit 1**	5
Wednesday	Feb 13	Solving Equations with Fractions and Decimals	2.2	
Monday	Feb 18	Solving Linear Inequalities	2.3	6
Wednesday	Feb 20	Problem Solving with Percentages, Mixture Problems	2.4	
Monday	Feb 25	Problem Solving using Geometry, Uniform Motion, Linear Inequality Applications	2.5	7
Wednesday	Feb 27	Rectangular Coordinate System, Graphing Lines, Slope	3.1	
Monday	Mar 4	**Exam 2**	**Unit 2**	8
Wednesday	Mar 6	Slope-Intercept Form, Parallel and Perpendicular Lines	3.2	
Mar 11 – 15		**Spring Break**		
Monday	Mar 18	Solving Systems by Graphing and Substitution	3.3	9
Wednesday	Mar 20	Solving Systems by Elimination, Applications	3.4	
Monday	Mar 25	Review for Exam 3		10
Wednesday	Mar 27	**Exam 3**	**Unit 3**	
Monday	Apr 1	Add, Subtract, Multiply Polynomials; Exponents Part 1	4.1	11
Wednesday	Apr 3	Divide Polynomials; Exponents Part 2	4.2	
Monday	Apr 8	GCF; Factoring Trinomials with Leading Coefficient 1	4.3	12
Wednesday	Apr 10	Factoring Trinomials with Leading Coefficient not 1, Special Products	4.4	
Monday	Apr 15	Factoring Summary	4.5	13
Wednesday	Apr 17	Solving Equations using Factoring	4.6	
Monday	Apr 22	**Easter Break**		None
Wednesday	Apr 24	Review for Exam 4		
Monday	Apr 29	**Exam 4**	**Unit 4**	None
Wednesday	May 1	Review		
Monday	May 6 - 9	**Final Exam** exact date to be announced	**Comprehensive**	

Last Day to Drop: April 25th