South Plains College
Beginning Algebra – Math 0315 ITV
Course Syllabus
Summer II 2017

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Office Hours: Due to the nature of this course, there are no set office hours. However, I would be happy to answer questions via e-mail.

Prerequisites: Successful completion of MATH 0310 (a C or higher) or appropriate test score.

Textbook: Elementary and Intermediate Algebra, Sullivan/Mazzarella, 2014, Third Edition, Pearson Education, Inc.

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 Purpose/Rational/Goal: The purpose of this course is to provide a background in beginning algebra concepts necessary for MATH 0320.

Student Learning Outcomes/Competencies*:
    Upon successful completion of this course, students will:
1. Add, subtract, multiply and divide real numbers (1.5)
2. Use the order of operations to simplify an expression (1.7)
3. Simplify algebraic expressions (1.8)
4. Solve linear equations (2.1, 2.2, 2.3)
5. Translate and solve word problems (2.5, 2.6, 2.7)
6. Solve linear inequalities (2.8)
7. Graph equations in two variables by the intercept method and the slope intercept method
      (3.1, 3.2, 3.3, 3.4)
8. Solve systems of equations by graphing, substitution, and elimination (4.1, 4.2, 4.3)
9. Evaluate expressions using exponent rules (5.2, 5.4)
10. Add, subtract, multiply and divide polynomials (5.1, 5.3, 5.5)
11. Factor polynomials (6.1, 6.2, 6.3, 6.4, 6.5)
12. Solve quadratic equations by factoring (6.6)

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

Course Requirements: To maximize the potential to complete this course, a student should attend all class and laboratory meetings, 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.

Course Evaluation: Your final grade will be determined by the average of 3 major tests, the comprehensive departmental final exam, and daily homework grades. The lowest test grade will be replaced with the final exam grade provided the final exam grade is higher. A minimum grade of 70 is needed to successfully pass this course.

Grading: **Grading Scale:**   A   90-100
    Quizzes: 20%   B   80-89
    Exams (3):   60%   C   70-79
    Final Exam: 20%   D   60-69
                                                                                  F   0-59

***NOTE: I do NOT issue the grade of "PR" for this class under any circumstances. *This course and its grade will be recorded on your official transcript for SPC.*

Class Attendance: Students are expected to be in class and prepared for the day's lesson. Students are responsible for the material covered in this course, even if they are not in class for any reason. Students that are planning to be absent due to doctor's appointments, school related activities, or other such events must contact me before the absence, with documentation of the coming event to arrange any necessary make-up work. Students that are absent without notice due to illness or other emergency must contact me by email as soon as possible or talk to me in person before classes begin on the next day back to school to arrange any make-up work. Students that do not contact me regarding their absences forfeit their opportunity to make up any work.

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

Homework: Homework is expected to be done daily but will not be collected. All homework assignments are of the Quick Check problems in each section. *It is advised for students to do the homework BEFORE the lesson each day.*

Quizzes: There will be daily quizzes over material covered in the previous class. Students will be allowed to use their homework on the quizzes, but no notes, no books, and no technology may be used on quizzes. Approximately 3 quiz grades will be dropped at the end of the term. There are NO MAKE UPS! Quizzes will be at the start of class. Students are expected to be on time for class, otherwise they are cutting into their own quiz time.

Exams: There will be 3 exams and one comprehensive final exam. Tentative dates for the exams are given on the course outline. <u>These dates are subject to change.</u> If for any reason you are unable to take an exam at the designated time, you must contact me *prior* to class time. If this is not possible, then you must contact me as soon as possible to make arrangements to make-up the exam. Make-up exams will be given at the discretion of the instructor. 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 (as well as count for the final exam).** All exams are expected to be completed in the allotted class time. Exams must be taken in one sitting. Once you leave the room on an exam day, your exam is considered completed and will not be handed back until it is graded.

Extra Credit: Occasionally, bonus questions will be asked on exams. These problems will be approximately the same difficulty level as the rest of the exam's problems, and are offered as an opportunity to pad your exam score. They are not required. There will also be a drawing for bonus points on each exam in exchange for keeping your cell phones silent and out of sight during each class. These bonus points can be taken away from individual students or the entire class at the discretion of the instructor.

Tutoring: Digital versions of tutorial videos can be viewed on your personal computer on Blackboard, http://spc.blackboard.com. Login using "mvideos" and password "mvideos". Click on Math-Math Videos and locate the appropriate course and topic in which you are interested.

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.
- Wait to be dismissed before leaving class. The bell does not dismiss you!!
- No food or drinks in class other than bottled water.
- Students are not permitted to use electronic devices, other than a calculator, in class.
- Adhere to the requirements of the Student Code of Conduct.

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 and will be dropped with an F. For more details on what is considered cheating, see the South Plains College catalog.

Student Conduct: You are expected to be respectful to others in the classroom. Please assist in maintaining a classroom environment conducive to learning. Any student disrupting the learning environment will be asked to leave and may be dropped from the course.

Disability: 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 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. For more information, call or visit the Special Services Office in the Student Services building, 894-9611 ext. 2529.

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.

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.

Day	Date	Topic	Section
		Beginning Algebra – Summer II 2017 **Tentative Calendar**	
R	July 13	Syllabus/Fraction Basics/Operations on Integers	1.2 & 1.4
M	July 17	Operations on Rational Numbers/Exponents and Real Numbers	1.5 & 1.7
T	July 18	Simplifying Algebraic Expressions/Adding and Subtracting Polynomials	1.8 & 5.1
W	July 19	Exponent Laws/Multiplying	5.2 & 5.3
R	July 20	Dividing Polynomials/Linear Equations	5.4, 5.5 & 2.1
M	July 24	Solving Linear Equations Involving Fractions and Decimals	2.2 – 2.3
T	**July 25**	**Exam 1**	**Ch. 1 & 5**
W	July 26	Word Problems	2.4 – 2.7
R	July 27	Solving Linear Inequalities/Graphing Equations	2.8, 3.1 & 3.2
M	July 31	Slope/Slope Intercept Form/Point-Slope Form	3.3 – 3.5
T	Aug 1	Parallel and Perpendicular Lines	3.6
W	**Aug 2**	**Exam 2**	**Ch. 2 & 3**
R	Aug 3	Solving Linear Systems by Graphing, Substitution, Addition	4.1 – 4.3
M	Aug 7	Linear Inequalities in Two Variables and Systems	3.7 & 4.6
T	Aug 8	Factoring By Grouping	6.1
W	**Aug 9**	Factoring Monic Trinomials/Factoring Non-Monic Trinomials	6.2 & 6.3
R	Aug 10	Factoring Special Products/Summary of Factoring Techniques	6.4 & 6.5
M	Aug 14	Solving Equations by Factoring/Modeling and Solving Problems with Quadratic Equations	6.6 & 6.7
T	**Aug 15**	**Exam 3**	**Ch. 4 & 6**
W	Aug 16	Review	
R	**Aug 17**	**Final Exam**	**Ch. 1 - 6**