South Plains College
Beginning Algebra – Math 0315 ITV
Course Syllabus
Summer I 2018

Instructor: Morgan Groves
Email: mgroves@southplainscollege.edu
Office: MA 107

Office Hours: I will be available for up to one hour after class each day to answer questions. If nobody asks for my help or shows up to my office by 12:15pm, then I might leave. So please let me know if you are wanting to get some help in my office.

Textbook/Materials: Elementary and Intermediate Algebra, Sullivan/Struve/Mazzarella, 2018, Fourth Edition, Pearson Education, Inc. ISBN 13: 978-0-13-455607-9. Students will need a spiral/paper for taking notes, paper for homework, pencil, binder to keep course material organized, but no calculator. ***This is a non-calculator course.*** All quizzes and exams must be done without the use of any calculators. Homework may sometimes require a calculator, however.

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. Understand the number systems and the real number line (1.3)
2. Add, subtract, multiply and divide real numbers (1.4, 1.5, 1.6)
3. Use the order of operations to simplify an expression (1.7)
4. Simplify algebraic expressions (1.8)
5. Solve linear equations (2.1, 2.2, 2.3)
6. Evaluate formulas and solve formulas for a variable (2.4)
7. Translate and solve word problems (2.5, 2.6, 2.7)
8. Solve linear inequalities (2.8)
9. Graph equations in two variables by the intercept method and the slope intercept
10. Solve systems of equations by graphing, substitution, and elimination (4.1, 4.2, 4.3)
11. Evaluate expressions using exponent rules (5.2, 5.4)
12. Add, subtract, multiply and divide polynomials (5.1, 5.3, 5.5)
13. Factor polynomials (6.1, 6.2, 6.3, 6.4, 6.5)
14. 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 successfully complete this course, a student should attend all class and laboratory meetings, take notes and participate in class, and complete all homework assignments and examinations including final examinations. A student should work all homework problems by hand keeping a notebook of all work done in this course.

Course Evaluation: Your final grade will be determined by the average of 3 major tests, the comprehensive departmental final exam, and daily 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
    Daily: 15%   B 80-89
    Exams (3):   65%   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 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.

Class Notes: All lectures are being recorded each day and will be uploaded to a YouTube channel created for this class. It can be found here: https://www.youtube.com/playlist?list=PLucMsqJ-LZlagNe_jJh3qXjzHgZ9vmBu_

Homework: Homework will be assigned daily from the book and is due the next class day unless otherwise told. All work should be shown on all problems. Each homework will count for 50% of your daily grade. The other 50% will be the daily quiz.

Quizzes: There will be daily quizzes over material covered in the previous class. Students will be allowed to use their homework from the lesson prior on the quizzes, but no notes, no books, and no technology may be used on quizzes. 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 shortening their own quiz time. Quiz grades will count as 50% of your daily grade. The other 50% is the homework assignment that is due that day.

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 and provide **appropriate documentation** to justify your absence. 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. No exams will be open-note.

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 dice roll (up to 5 points per exam) 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.

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 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, 806-716-2577.

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.

Sexual Misconduct: By law all faculty members are mandated reporters of any incidences of sexual misconduct. That means that faculty cannot keep information about sexual misconduct confidential if you share that information. Dr. Lynne Cleavinger, the Director of Health & Wellness, can advise you confidentially as can any counselor in the Health & Wellness Center. They can also help you access other resources on campus and in the local community. You can reach Dr. Cleavinger at 716-2563 or lcleavinger@southplainscollege.edu or go by the Health and Wellness Center. You can schedule an appointment with a counselor by calling 716-2529.

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_procedures/hhc.php**.** Pursuant to PC 46.035, the open carry 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.

Day	Date	Topic	Section	Homework Assignments
		Beginning Algebra – Summer I 2018 **Tentative Calendar**		
M	June 4	Syllabus/The Real Number Line/Operations on Integers	1.3 & 1.4	Pg. 25 #25-68 (odds), #69, 70, 79-94(all) Pg. 35 #113 -149 (odds)
T	June 5	Operations on Rational Numbers/Exponents and Real Numbers	1.5 & 1.7	Pg. 46 #103 – 142 (odds) Pg. 62 #29 – 54 (every third), #87 – 126 (odds)
W	June 6	Properties of Real Numbers/Simplifying Algebraic Expressions	1.6 & 1.8	Pg. 54 #19 – 34 (every other odd), #51 – 84 (odds) Pg. 69 #45, 47, 49, 51, 55, 59, 61, 69, 81, 83, #99-128 (odds)
R	June 7	Adding, Subtracting Polynomials/Multiplying Polynomials	5.1 – 5.3	Pg. 315 #29, 33, 37, 41, 43, 45, 47, 53, 55, 65, 79, 89, #93 – 123 (odds) Pg. 322 #23, 31, 37, 53, 59, 61, 67, #69 – 94 (odds), 95, 97 Pg. 331 #35, 41, #97 – 131 (odds), 137, 141
M	June 11	Dividing Polynomials	5.4, 5.5	Pg. 345 #97 – 135 (odds) Pg. 352 #55 – 91 (odds)
T	June 12	Scientific Notation/Review for Exam 1	5.6	Pg. 358 #27, 33, 41, 47, 49, 55, 59, 67, 69, 71, 75, 77, 79, 81, 85, 87, 89, 93 **Ch. 1 Review: Pg. 73 – 79 (only the sections we covered in class)** **Ch. 5 Review: Pg. 361 – 366** **Not to be turned in for a grade**
W	June 13	**Exam 1**	**Ch. 1 & 5**	
R	**June 14**	Linear Equations/Solving Linear Equations using Fractions, Decimals	2.1 – 2.3	Pg. 97 #61 – 83 (odds) Pg. 106 #75 – 100 (odds)
M	June 18	Word Problems	2.4 – 2.5	Pg. 115 #25, 31, 33, 37, 39, 51, 55, 59, 63, 65, 67, 69, 71, 77, 81, 87, 93, 97 Pg. 129 #27, 31, 35, 41, 47, 55, 59, 63, 67, 69, 73, 77, 89
T	June 19	Solving Linear Inequalities/Graphing Equations	2.8, 3.1 & 3.2	Pg. 157 #99 – 124 (odds) Pg. 179 #33, 43, 51, 65, 71, 73, 81 Pg. 192 #25, 27, 29, 31, 51, 55, 57, 59, 61, 65, 67, 69, 95-117 (odds), 123, 131
W	June 20	Slope/Slope Intercept Form/Point-Slope Form	3.3 – 3.4	Pg. 202 #13, 15, 23, 27, 31, 35, 37, 39, 41, 43, 45, 51, 53, 55, 57, 61, 65, 71 Pg. 212 #69 – 95 (odds)

R	June 21	Review for Exam 2		**Ch. 2 Review: Pg. 160 – 166 (only the sections we covered in class)** **Ch. 3 Review: Pg. 240 – 244 (only the sections we covered in class)** **Not to be turned in for a grade.**
M	**June 25**	**Last Day to Drop** **Exam 2**	**Ch. 2 & 3**	
T	June 26	Solving Linear Systems by Graphing, Substitution, Addition	4.1 – 4.3	Pg. 257 #39, 41, 43, 51, 53, 61 Pg. 266 #35 – 51 (odds) Pg. 274 #27 – 57 (odds), 69, 73, 75
W	June 27	Factoring by Grouping	6.1	Pg. 376 #81 – 111 (odds)
R	June 28	Factoring Monic Trinomials/Factoring Non-Monic Trinomials	6.2 & 6.3	Pg. 385 #59 – 97 (odds) Pg. 395 #71 – 97 (odds)
M	July 2	Factoring Special Products	6.4	Pg. 402 #59 – 95 (odds)
T	July 3	Summary of Factoring Techniques/Solving Equations by Factoring	6.5 & 6.6	Pg. 407 #17, 21, 29, 33, 37, 41, 45, 51, 53, 55, 59, 63, 65, 69, 71, 81, 85, 89 Pg. 416 #65 – 90 (odds), 95, 97, 99
W	July 4	Holiday		**Ch. 4 Review: Pg. 301 – 304 (only the sections we covered in class)** **Ch. 6 Review: Pg. 425 – 428 (only the sections covered in class)** **Not to be turned in for a grade.**
R	**July 5**	**Exam 3**	**Ch. 4 & 6**	
M	July 9	Review for Final Exam		**Book Review: Pg. 430 – 431** **Not to be turned in for a grade.** **There is a written review given in class and can be found on Blackboard.**
T	**July 10**	**Final Exam**	**Ch. 1 - 6**	