South Plains College
Department of Mathematics & Engineering
Math 0320 Intermediate Algebra
TTh 11:00 – 12:45
Course Syllabus – Spring 2019

Instructor: Gina Becker, BSE, M Ed
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Office Hours

Monday*	Tuesday*	Wednesday*	Thursday*	Friday*
10:15 – 11:00	10:45 – 11:00	10:15 – 11:00	10:45 – 11:00	8:30 – 11:30
12:45 – 1:00	12:45 – 1:00	12:45 – 1:00	12:45 – 1:00	
2:45 – 3:00	2:45 – 3:00	2:45 – 3:00	2:45 – 3:00	*or by appointment
4:50 – 5:20		4:50 – 5:20		

Textbook: *Elementary and Intermediate Algebra*, Sullivan/Struve/Mazzarella, 4th Edition, Pearson Education ISBN 978-0-13-455607-9. (The purchase or use of a textbook is not required for this class. You may check out a copy of the textbook from the library to use as a reference if you desire.)

Supplies: Notebook paper or spiral, pencils, ruler, graph paper. Calculators will only be allowed after the first exam. Only a basic non-graphing calculator (such as a TI-30) will be allowed in class. Calculators on cell phones, graphing calculators, and other electronic devices will NOT be allowed during tests or in-class assignments.

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

Course Description: Prerequisite: MATH 0315 or appropriate test score. This course is designed for students who need MATH 1314 or MATH 1324. Topics include factoring, fractions, linear equations in one unknown, graphing, systems of linear equations and inequalities, exponents, radicals, and quadratic equations. (Copied from course catalogue.)

Student Learning Outcomes/Competencies: Successful completion of this course should reflect mastery of the following objectives. Chapter and section numbers are indicated in parentheses.
1. Define, represent, and perform operations on real and complex numbers. (9.9)
2. Recognize, understand, and analyze features of a linear equation and a function. (8.3, 8.4
   including topics from 3.3, 3.4 and 3.5)
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and
   algorithms to combine, transform, and evaluate absolute value, polynomial, rational, and radical
   expressions.

4. Identify and solve absolute value, polynomial, rational, and radical equations. (6.6, 7.7, 8.7, 9.8, 10.1, 10.2)
5. Identify and solve absolute value and linear inequalities. (8.6, 8.7)
6. Model, interpret, justify mathematical ideas and concepts using multiple representations. (6.7, 7.8, 8.2, 8.5, 9.8)
7. Connect and use multiple strands of mathematical situations and problems, as well as in the
    study of other disciplines. (The word problems in Chapters 6, 7, 8, 9, and 10.)

Course Requirements: To achieve success in this class, a student should attend all class meetings, take notes and participate in class, and complete all homework assignments and examinations, including the final examination.

Attendance Policy: Your attendance and active participation is vital to your success in this class. Attendance will be taken at the beginning of each class meeting. Should you arrive after attendance has been taken you will be marked as tardy for that class. Leaving class for extended periods of time during class or leaving class early will result in a tardy. Two tardies will be considered as one absence. If you exceed 4 absences during the course of the semester, you may be dropped from this course with a grade of X or F.

Course Expectations: Attend class, be on time, do homework, and be prepared to participate. Turn off and put away all electronic devices when you enter the classroom and keep off for the duration of the class.

Assignments and Grading:
Homework and Quizzes
Homework assignments will be given daily. Work the problems on lined notebook paper. Write the problem, show all work and clearly identify your answer. **Late homework will not be accepted and no points will be given.** Homework assignments will be due each Thursday and will be worth 1 point. Quizzes will be given weekly on non-exam weeks and no makeup quizzes will be offered. Each quiz is worth 1 point. Missing a quiz will result in 0 points for that quiz.

Exams
Your course grade will include four unit exams. Each exam will be worth 15 points. You will be able to correct one exam. Corrections will add 50% of their point value to your grade. The final comprehensive exam will be worth 20 points. Your final exam grade will take the place of your lowest exam grade, if it is a higher score and you have fewer than 3 zeroes.

Your final point value will determine your letter grade for this class and will be determined by the following scale:

A - 90-100	D - 60-69
B - 80-89	F - 0-59
C - 70-79	

Tutoring: Students may obtain free tutoring in Building 2 at the Reese Center. Tutoring schedules will be posted on campus. Please remember to sign in when you seek the help of a tutor.

Non-Discrimination: 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.

Disabilities: 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.

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.

Classroom Civility: Students are expected to be respectful of their fellow classmates and maintain a classroom environment that is conducive to learning. Turn off all cell phones and other electronic devices before entering the room. The instructor reserves the right to ask a student to leave if his/her cell phone is left on and disrupts the class. Refrain from using offensive language, reading newspapers, chewing tobacco products, or otherwise being disruptive in class. Food and/or drinks are NOT allowed in the classroom.

Academic Honesty: Students are expected to uphold the ideas of academic honesty. Academic dishonesty includes, but is not limited to, cheating on tests, collaborating with another student during a test, copying another student's work, using materials not authorized, and plagiarism. Students who do not follow the academic honesty policy will receive a grade of zero for the assignment, and may be dropped from the course with an F, or face possible suspension from the college. *Math apps, smart phones, smart watches and graphing calculators are not allowed in this class.*

Title IX Pregnancy Accommodations: If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations, you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact Crystal Gilster, Director of Health and Wellness at 806-716-2362 or email cgilster@southplainscollege.edu for assistance.

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.

Tentative Course Schedule

Week		Tuesday		Thursday
1	**January 15**	Welcome 6.1 GCF/Factoring by Grouping	**January 17**	6.2 Factoring Trinomials Pt 1
2	**January 22**	6.3 Factoring Trinomials Pt 2	**January 24**	6.4 Factoring Special Products
3	**January 29**	6.5 Summary of Factoring 6.6 Solving Equations by Factoring	**January 31**	6.7 Modeling and Solving Problems with Quadratics
4	**February 5**	2.2/2.3 Linear Equations Review	**February 7**	**Exam 1**
5	**February 12**	7.1 Simplifying Rational Expressions 7.2 Multiplying/Dividing Rational Expressions	**February 14**	7.3 Adding/Subtracting Rational Expressions (Like Denominator) 7.4 Finding the LCD & Forming Equivalent Rational Expressions
6	**February 19**	7.5 Adding/Subtracting Rational Expressions (Unlike Denominator)	**February 21**	7.7 Solving Rational Equations
7	**February 26**	7.8 Models Involving Rational Equations	**February 28**	3.3 Slope 3.4 Slope-Intercept Form of a Line
8	**March 5**	Review	**March 7**	**Exam 2**
	March 12	Spring Break	**March 14**	Spring Break
9	**March 19**	8.2 Relations 8.3 Introduction to Functions	**March 21**	8.4 Functions and Their Graphs 8.5 Linear Functions and Models
10	**March 26**	8.6 Compound Inequalities 8.7 Absolute Value Equations/Inequalities	**March 28**	Review
11	**April 2**	**Exam 3**	**April 4**	9.1 Square Roots 9.2 Roots and Rational Exponents
12	**April 9**	9.4 Simplifying Radical Expressions	**April 11**	9.5 Adding/Subtracting/ Multiplying Radicals 9.6 Rationalizing Radical Expressions
13	**April 16**	Review	**April 18**	**Exam 4**
14	**April 23**	9.8 Solving Radical Equations 9.9 Complex Numbers	**April 25**	10.1 Completing the Square
15	**April 30**	10.2 The Quadratic Formula	**May 2**	Review
16	**May 7** **Final Exam**	**10:15 – 12:15**		