



Beginning Algebra - Spring 2017

Instructor: Laura Franks

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Office Hours: T/TH: 3:35–5:20 & F: 8:00–12:30

Other times may be available by appointment.

Course Description: MATH 0315. BEGINNING ALGEBRA. (3:3:1) This course is designed for those students who need MATH 0320 and have not had one year of high school algebra. It includes properties of signed numbers, algebraic expressions, linear equations in one unknown and geometry. This course will not satisfy graduation requirements. This course is required if testing indicates a need. (From SPC catalog)

Textbook: Sullivan, M., Struve, K. R., & Mazzarella, J. (2010). Elementary and Intermediate Algebra, Third Edition. New Jersey: Pearson Prentice Hall. ISBN 978-0-321-88011-6.

The hardcopy is optional. MyMathLab will be required.

Course Objectives: Successful completion of this course should reflect mastery of the following objectives. Chapter and section numbers are indicated in parentheses.

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)

Texas Success Initiative (TSI): The Texas Success Initiative is a state program designed to ensure that all Texas institutions provide placement testing, personal advisement and appropriate instruction to students to enhance their opportunities for success in their college studies. All new students entering Texas colleges and universities are required to take a placement test prior to enrolling in college-level courses, unless exempt from testing under specified state standards (i.e., scores on ACT, SAT or TAKS). Testing will indicate whether a student possesses adequate basic college-level skills in reading, writing and mathematics necessary to begin an undergraduate program of study. (copied from the current SPC catalog)

Attendance: Attendance and effort are the most important activities for success in this course. Class attendance may be taken at any time during the class period, so please do not be late or leave early. You may be dropped from this course with a grade of X or F if you are absent four consecutive classes or if you exceed six absences throughout the semester. Be on time and turn off any cell phones or pagers before entering the classroom.

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Assignments: Homework assignments are based on graded problems worked online via MyMathLab. I encourage you to purchase your textbook immediately and use the Access Code Packet (bundled with your textbook) to register for this class online. If you were enrolled in a Beginning Algebra or Intermediate Algebra class that used MyMathLab, you do not need a new packet.

Follow these steps for a painless registration procedure:

Before you start, you will need:

- A student's access code is found in your MyMathLab Student Access Kit that comes with the book.
- The course ID number will be given to you the first day of class.
Course ID number for your course: **franks55784**
- Or you can purchase online an access code using a credit card.
- A valid email address that you check on a regular basis.
- SPC Zip Code: 79336

To register and enroll in a pearsonmylabandmastering course (same as Course Compass which has been changed):

1. Go to www.pearsonmylabandmastering.com and click the Register button for student and follow instructions to register. I suggest you bookmark this if you are using your personal computer.
2. After you have register, enter the Login Name and Password you created during registration.
3. You will be taken to MyLabandMastering – the online learning environment for MyMathLab. From this page, simply click the name of your course to begin exploring MyMathLab.

If you want to register as a previous user, use the following instructions:

1. Click on Login. Do not enter login name or password.
2. Click on students register.
3. Click on continue a course, re-take a course, or switch to a different course section.
4. Enter user name and password from previous semester and course ID number.
5. Click on login.

OR you can:

1. Log in using username and password from a previous time.
2. Under name of previous MyMathLab course, click on enroll in a new course.
3. Put in new course ID number.

Important Note: The homework problems assigned online via MyMathLab are required and are the only homework grades given in this class. If you do not have a personal computer or your computer is in serious need of an upgrade, there are many computer labs on the Reese Center campus, the Levelland campus, and the ATC which have very liberal hours. These problems on-line (homework) are chosen as representative of the basic concepts presented in the sections. These few questions will not adequately prepare you for the unit test. A more comprehensive assignment for each section is located in the textbook. The textbook exercises will not be taken up or graded, but should be used to ask questions in class over the assignment. Before completing the online homework for a grade, you should work the textbook problems for a more complete understanding of the topics.

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**Grading:**

Homework	30%
Unit Exams	60%
Final Exam	10%

Grading Scale:

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

A grade of C (70) or better is required to advance to the next course. Although your grade in this course will not be used in calculating your GPA, your grade is used to determine academic status for financial aid.

This course and its grade will be recorded on your official transcript.

Exams: There will be 4 unit tests and a comprehensive final exam. Dates for the exams are given on the course outline. If for any reason you are unable to take an exam at the designated time you must contact me *prior* to class time. Make-up exams will be given at the discretion of the instructor.

Tutoring: Free tutoring is available in room M116 of the Math Building in Levelland, or room 208 in building 2 at the Reese campus, or in the computer lab at the ATC. 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.

Supplies: You will need pencils, a scientific calculator, notebook paper, graph paper, and a 3-ring binder. Calculators on cell phones or other electronic devices with a computer algebra system will not be allowed during testing.

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 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 Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

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.

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Beginning Algebra - Spring 2017
Tentative Schedule

Week	Day	Date	Lesson
1	Tuesday	January 17	WELCOME!
	Thursday	January 19	1.5 Adding, Subtracting, Multiplying, & Dividing Rational Numbers
2	Tuesday	January 24	1.7 Exponents and the Order of Operations & 1.8 Simplifying Algebraic Expressions
	Thursday	January 26	2.1 Solving Linear Equations Part 1 & 2.2 Solving Linear Equations Part 2
3	Tuesday	January 31	2.3 Solving Linear Equations Part 3
	Thursday	February 2	Exam 1
4	Tuesday	February 7	2.8 Solving Linear Inequalities
	Thursday	February 9	2.5 Application Problems Part 1
5	Tuesday	February 14	2.6 Application Problems Part 2
	Thursday	February 16	2.7 Application Problems Part 3
6	Tuesday	February 21	Exam 2
	Thursday	February 23	5.1 Adding & Subtracting Polynomials
7	Tuesday	February 28	5.2 Multiplying Monomials
	Thursday	March 2	5.3 Multiplying Polynomials
8	Tuesday	March 7	5.4 Dividing Monomials & 5.5 Dividing Polynomials
	Thursday	March 9	Exam 3
		March 13-17	Spring Break
9	Tuesday	March 21	6.1 The GCF & Grouping
	Thursday	March 23	6.2 Factoring Trinomials Part 1
10	Tuesday	March 28	6.3 Factoring Trinomials Part 2

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	Thursday	March 30	6.4 Factoring Special Products
11	Tuesday	April 4	6.5 A Review of Factoring & 6.6 Solving Equations by Factoring
	Thursday	April 6	Exam 4
12	Tuesday	April 11	3.1 Rectangular Coordinate System
	Thursday	April 13	3.2 Graphing Equations in Two Variables
13	Tuesday	April 18	3.3 Slope & 3.4 Slope-Intercept Form of a Line
	Thursday	April 20	4.1 Solving Systems of Linear Equations by Graphing
14	Tuesday	April 25	4.2 Solving Systems of Linear Equations Using Substitution
	Thursday	April 27	4.3 Solving Systems of Linear Equations Using Elimination
15	Tuesday	May 2	Final Exam Review
	Thursday	May 4	Final Exam Review
16			Final Exam

*Last Day to Drop: April 27th

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