

MATH 0315-BEGINNING ALGEBRA
Course Syllabus
0315.001 MW 7:50a - 9:20
0315.004 TR 11:00 - 12:45
Located in PE #116

Instructor: Bart Bradshaw
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Office Hours: MW 7:15-7:45 TR 7:15-7:45 and 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. Time in a math lab is required. This course will not satisfy graduation requirements. This course is required if testing indicates a need. (from SPC catalog)

Student Learning Successful completion of this course should reflect mastery of the following objectives. Outcomes/Competencies: (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, 4.3,4.4, 4.5)
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)

Textbook: Elementary and Intermediate Algebra, Sullivan/Struve/Mazzarella, 4th Edition, Prentice Hall/Pearson Education.

Expectations: • RESPECT! Respect your instructor and respect your peers.
• NO CELL PHONES OR ELECTRONIC DEVICES are to be used during class. The instructor reserves the right to ask a student to leave if his/her electronic device is used.
• COME TO CLASS PREPARED and get involved.
• MANAGE YOUR TIME and complete all assignments. If you have trouble completing the assignment, see a tutor. That's why we are here!
• ATTEND EVERY CLASS. If you miss a class, go over the material that was missed via the textbook or videos. If you are still confused, please see me or a tutor.
• PREPARE FOR THE EXAMS.
• SET A GOAL (A, B, or C).
• TRY YOUR BEST. A student is eligible for a grade of "PR" instead of "D" or "F", provided the student puts forth adequate effort, has good attendance and completes the homework assignments.
• BE HONEST and maintain a high standard of integrity. Academic dishonesty includes, but is not limited to, cheating on exams, collaborating with another student during an exam, and copying another student's work.

Attendance: Attendance and effort are the most important activities for success in this course. Class attendance will be taken at the beginning of the class period (as a ½ of an absence) and again at the end of the lab(as a ½ of an absence), so do not arrive late or leave early. You may be dropped from this course with a grade of X or F if you exceed four absences.
If you cannot stay awake during class, you will be asked to leave and will be counted absent.

Supplies: You will need pencils, notebook paper, graph paper, a 3-ring binder, and a 3-hole punch. A calculator is allowed after the first exam. The use of cell phones or other electronic devices will not be allowed. Please make certain all materials accompany you to each class meeting.

Grading: Homework/Quizzes/Binder 20%
4 Unit Exams 60%
Final Exam 20%
Total 100%

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

You need to keep all your grades on one page inside your binder. Please correct your exams with the tutors after each test. A grade of C (70) or better is required to advance to the next course (Math 0320).

Binder: Neatness and organization of a 3-ring binder are important. The binder should be arranged in the following manner:

- 1st Course Calendar
- 2nd Syllabus
- 3rd Notes for each section covered.
- 4th Homework/Quizzes
- 5th Unit Exams

These pages will be kept in chronological order.

If you are absent, it is your responsibility to get the notes from a classmate and also complete the assigned homework using the tutors to help with missed instructions for the assignments.

Homework/Quizzes: • Homework assignments will be listed on your course calendar. **YOUR HOMEWORK WILL BE GRADED FOR COMPLETION DURING THE LAB TIME THE FOLLOWING CLASS MEETING DAY!!!** Students should work additional problems as needed to fully understand the concepts. The general format for assignments should include the following: place the assignment heading on the top of the page with the problems assigned, copy the problem from the book, show all work, write big and clearly indicate the answer. No late assignments will be accepted. The homework is practice for your mastery of the concepts and skills presented in class which you will be responsible to perform on a quiz and an exam. Remember, effort is key to your success. You have to focus your time and effort on completing the problems assigned.

- Written assignments must be done in pencil and on paper without frayed edges. You will have one warning, after which you will earn a zero on that work. Writing on both sides of the paper is permitted.

- Quizzes may be administered at any time so review the previous material before class.

Exams: There will be 4 unit exams and a comprehensive final exam. Dates for the exams are given on the course calendar. 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 & Videos: FREE tutoring is available in M116 (math building) on the Levelland campus and RC262 (building 2) on the Reese campus. Tutoring schedules will be posted as soon as possible. There are links to some websites that contain helpful videos: patrickjmt.com, khanacademy.org, and MATH 0315 Beginning Algebra

4.1.1.1. Diversity Statement

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.

4.1.1.2. Disabilities 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 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.

4.1.1.3. Non-Discrimination Statement

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.

4.1.1.4 Title IX Pregnancy Accommodations Statement

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 Chris Straface, Director of Health and Wellness at 806-716-2362 or email cstraface@southplainscollege.edu for assistance.

Campus Concealed Carry syllabus statement:

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.

Beginning Algebra Course Calendar

Daily schedule - All changes announced in class - E.T.-->Every Third Problem
MATH 0315.004-T/R 11:00-12:45 in PE #116

Wk	Day	Date	Lesson
1	T	8-27	Syllabus / <u>1.4</u> Operation of Integers #45-150 E.T.
	R	29	<u>1.5</u> Operation of Rational Numbers #39-141 E.T.
	T	9-3	<u>1.7</u> Exponents/Order of Operation #30-126 E.T. AND <u>1.8</u> Simplifying Alg. Exp # 39-123 E.T.
	R	5	<u>5.1</u> Add & Subtract Polynomials #30-129 E.T.
3	T	10	EXAM # 1 (THROUGH 5.1)
	R	12	<u>5.2</u> Multiplying Monomials #21-96 E.T.
4	T	17	<u>5.3</u> Multiplying Polynomials #36-144 E.T.
	R	19	<u>5.4</u> Dividing Monomials #33-129 E.T.
5	T	24	<u>5.5</u> Dividing Polynomials #15-90 E.T.
	R	26	<u>2.1</u> Linear Equations Adding & Multiplication Properties #27-108 E.T.
6	T	10-1	<u>2.2</u> Linear Equations using properties together #21-84 E.T.
	R	3	<u>2.3</u> Solving Linear Equations Fractions & Decimals #27-117 E.T.
7	T	8	EXAM # 2 (THROUGH 2.3)
	R	10	<u>2.5</u> Problem Solving Direct Translation #27-84 E.T.
8	T	15	<u>2.6</u> Problem Solving Involving Percents #21-54 E.T.
	R	17	<u>2.7</u> Problem Solving Geometry and Uniform Motion #15-48 E.T.
9	T	22	<u>2.8</u> Solving Linear Inequalities #39-123 E.T.
	R	24	<u>3.1</u> The Rectangular Coordinate System #21-84 E.T. & <u>3.2</u> Graphing Equations in 2 Variables #27-132 E.T.
10	T	29	<u>3.3</u> Slope #15-72 E.T. & <u>3.4</u> Slope Intercept Form of a Line #21-96 E.T.
	R	31	EXAM # 3 (THROUGH 3.4)
11	T	11-5	<u>4.1</u> Solving Systems of Equations by Graphing #18-78 E.T. <u>4.2</u> by Substitution #15-60 E.T. <u>4.3</u> by Elimination #12-75 E.T.
	R	7	<u>6.1</u> GCF and Factoring by Grouping #27-78 E.T.
12	T	12	<u>6.2</u> Factoring Trinomials Part 1 #24-57 E.T.
	R	14	<u>6.3</u> Factoring Trinomials Part 2 #24-69 E.T.
13	T	19	EXAM # 4 (THROUGH 6.3)
	R	21	<u>6.4</u> Factoring Special Products #30-57 E.T.
14	T	26	<u>6.6</u> Solving Polynomial Equations by Factoring #27-99 E.T.
	R	28	THANKSGIVING
15	T	12-3	Review for Comprehensive Final WORK REVIEW IN CLASS
	R	5	NO CLASS VISIT THE TUTORS FOR FACTORING HELP
16	T	10	FINAL EXAM 10:00-12:15 IN PE # 116