

MATH 0310 (3:3:0)

Developmental Algebra

MATHEMATICS DEPARTMENT

Division of Arts & Sciences

South Plains College
Reese Center

Fall 2016

Traci Sanders

Fall 2016
Math 0310.206: Developmental Algebra
MW 1:00 – 2:15

Instructor: Traci Sanders
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Classroom: RC 272

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Office: Reese Center 268-C

Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
9:50 – 11:00 12:30 – 1:00	8:30 – 9:00 1:00 – 2:00	9:50 – 11:00 12:30 – 1:00	8:30 – 9:00 1:00 – 2:00	9:20 – 11:00
Appointments are available for other times.				

Course Description: The acquisition in precise form of those ideas or concepts in terms of which the quantitative thinking of the world is done. It includes understanding and correct use of whole numbers, common and decimal fractions, percentages, measurements, and geometry. This course will not satisfy graduation requirements. This course is required if testing indicates a need.

Text: Basic College Mathematics with Early Integers, Third Edition, by Elayn Martin-Gay

Supplies: You will need pencils and notebook paper (to be turned in without a spiral edge). Calculators will not be allowed for this course.

Grading Policy: Grades will be averaged according to the following percentages:

Class Assignments / Quizzes	20%
Tests	60%
Final Exam	20%

Grading Scale:

- A: 90 and above
- B: 80 – 89
- C: 70 – 79
- D: 60 – 69
- F: 59 or below

Tests: There will be 4 tests and a comprehensive final exam. There will be **NO MAKEUP TESTS!** Dates are listed for all tests, including the final exam, so **PLAN AHEAD!**

Homework: Homework will be assigned for all of the sections covered in the course. It will not be collected or graded. However, the questions on the tests, class assignments, and quizzes will reflect homework problems and time will be given during each class to answer questions on the homework.

Class Assignments: When we have time in class after the lecture, we will have a class assignment which will consist of a few problems from the lesson. The purpose of this assignment is to give you some guided practice before attempting the homework on your own. You will be able to use your book and notes, work together, and ask me questions. This will be a participation grade. There are no makeup class assignments. If you are absent when we have a class assignment, you will receive a zero. I will drop the two lowest class assignment grades.

Quizzes: On some days, we will have a quiz over previous lessons. I will let you know at least one class in advance when we are having a quiz. There are no makeup quizzes. If you are absent when we take a quiz, you will receive a zero. I will drop the two lowest quiz grades.

Attendance: Attendance and effort are the most important activities for success in this course. Whenever you have 4 consecutive or 6 total absences, the instructor may withdraw you from the course with a grade of X or F. I do not distinguish between excused and unexcused absences. If you stop attending class, you should go through the procedure for dropping a course to obtain a grade of W or U. For more detail, see page 19 of the South Plains College General Catalog. Perfect attendance will result in 4 points added to your final grade. If you must miss, find out what the homework assignment was and stay caught up!

Expectations:

1. Read the syllabus!
2. Attend class, arrive on time, do your homework, and be prepared to participate.
3. Keep all cell phones turned off and put away for the duration of the class.
4. Maintain a classroom environment that is conducive to learning. For more detail, see page 22 of the South Plains College General Catalog.
5. Be the best you can be!

Important Dates:

September 5	Labor Day
October 14	Fall Break
November 10	Registration Opens
November 17	Last Day to Drop
November 23 – 25	Thanksgiving Break
December 12	Final Exam: 1:00 – 3:00 PM

Course Outcomes:

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 whole numbers. (1.3, 1.4, 1.6, 1.7)
2. Simplify and evaluate whole number expressions using order of operations. (1.9)
3. Add, subtract, multiply, and divide integers. (2.3 – 2.5)
4. Simplify and evaluate integer expressions using order of operations. (2.6)
5. Multiply, divide, add, and subtract fractions. (3.2 – 3.5)
6. Evaluate and simplify algebraic expressions. (2.1, 8.1)
7. Solve simple linear equations. (8.2 – 8.4)

Academic Integrity: The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a serious offense and renders the offender liable to serious consequences, possibly suspension. For more detail, see p. 21 of the South Plains College General Catalog.

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.

Disability 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. For more information, call or visit the Disability Services Office at, Reese Center Building 8, 806-716-4675.

	Math 0310.206 Course Outline – Fall 2016 This schedule is tentative and subject to change.
Week	Topics and Sections Covered
1 8/29,31	1.3 Adding Whole Numbers and Perimeter 1.4 Subtracting Whole Numbers 1.6 Multiplying Whole Numbers and Area 1.7 Dividing Whole Numbers
2 9/5,7	Labor Day – No Class – Monday, September 5 1.8 An Introduction to Problem Solving 1.9 Exponents, Square Roots, and Order of Operations
3 9/12,14	2.2 Introduction to Integers 2.3 Adding Integers 2.4 Subtracting Integers
4 9/19,21	2.5 Multiplying and Dividing Integers 2.6 Order of Operations
5 9/26,28	Test 1 – Monday, September 26 3.1 Introduction to Fractions and Mixed Numbers 3.2 Factors and Simplest Form
6 10/3,5	3.3 Multiplying and Dividing Fractions 3.4 Adding and Subtracting Like Fractions, Least Common Denominator, and Equivalent Fractions
7 10/10,12	3.5 Adding and Subtracting Unlike Fractions 3.6 Complex Fractions, Order of Operations, and Mixed Numbers Fall Break – Friday, October 14
8 10/17,19	3.7 Operations on Mixed Numbers Test 2 – Wednesday, October 19
9 10/24,26	4.1 Introduction to Decimals 4.2 Adding and Subtracting Decimals 4.3 Multiplying Decimals and Circumference of a Circle
10 10/31, 11/2	4.4 Dividing Decimals 5.1 Ratios 5.2 Proportions
11 11/7,9	5.3 Proportions and Problem Solving Test 3 – Wednesday, November 9 Registration Opens – Thursday, November 10
12 11/14,16	6.1 Percents, Decimals, and Fractions 6.4 Applications of Percent 6.5 Percent and Problem Solving: Sales Tax, Commission, and Discount Last Day to Drop – Thursday, November 17
13 11/21,23	6.6 Percent and Problem Solving: Interest Thanksgiving Break – November 23 – 25
14 11/28,30	8.1 Variable Expressions Test 4 – Wednesday, November 30
15 12/5,7	8.2 Solving Equations: The Addition Property Review for Final Exam
16 12/12	FINAL EXAM – Monday, 1:00 – 3:00 PM