Course Syllabus – Developmental Algebra

Math 0310.501 – Sprig 2017

Department: Mathematics and Engineering

Discipline: Mathematics

Course Number: Math 0310

Course Title: Developmental Algebra

Credit: 3 **Lecture:** 3 **Lab:** 0

Instructor: Denise Johansen

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Time/Place: MW 11am-12:15pm/PC 116

Office Hours: MW 10am-11am and 2:45pm-4pm, TR 4:15pm-5:30pm and 7:15pm-7:45pm, or by appointment

This course satisfies a core curriculum requirement: No

Prerequisites: No prerequisites

Available Formats: conventional

Campuses: Levelland Campus, Reese Campus, Plainview

Textbook (Optional): Basic College Mathematics with Early Integers, Elayn Martin-Gay. (2012, 3rd edition). Pearson Prentice Hall.

Supplies (Required): MyMathLab access (Course ID: **johansen47912**); a calculator will not be allowed for Math 0310, as it violates the integrity of the class.

Course Specific Instructions: There are video tapes of the lectures available via Blackboard. Username and password are: MVIDEOS.

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Course Description: The course objective is the acquisition in precise form of those ideas or concepts in terms of which the quantitative thinking to the world is done. It emphasizes the understanding and correct usage 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.

Course Purpose/Rationale/Goal: The purpose of the course is to provide a background in mathematics necessary for MATH 0315. **You must earn a grade of 'C' or better to continue to the next course.**

Course Requirements: To maximize the potential to complete this course, a student should attend all class and laboratory meetings, take notes and participate in class, complete all homework assignments and examinations including final examinations.

Course Evaluation:
- There will be in-class assignments collected daily. By their very nature, in-class assignments can NOT be made up. The in-class average is worth 10% of your grade, and the lowest 2 in-class grades will be dropped.
- Daily online homework assignments will be due weekly on Mondays. Late homework will be accepted with 10% per day late submission penalty! The homework average is worth 10% of your grade, and the lowest 3 homework grades will be dropped.
- Daily online pre-class assignments will be posted, worth 5% of your grade. The lowest 2 PreClass grades will be dropped.
- There will be 6 online Quizzes to be **completed on your own and without references**. The quiz average is worth 10% of your grade, and the lowest quiz grade will be dropped.
- There will be 3 in-class hour exams. These will each be worth 15% of your grade.
- There will be 1 in-class cumulative final exam on **Monday, May 8th from 10:15am-12:15pm**, worth 20% of your grade.

Letter Grades:

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

**Students who earn 69% or below and have 4 or less absences will qualify for a grade of 'PR'. Any student with a PR, D, or F must repeat the class. However, a PR doesn't affect the student's GPA or financial aid status.

Student Learning Outcomes/Competencies:
Upon completion of this course and receiving a passing grade, the student will be able to:

1. Add, subtract, multiply, and divide whole numbers.
2. Simplify and evaluate whole numbers expressions using order of operations.
3. Add, subtract, multiply, and divide integers.
4. Simplify and evaluate integer expressions using order of operations.

5. Multiply, divide, add and subtract fractions.
6. Solve simple equations.

Attendance Policy: Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus. [*Absences for this course are considered excessive if you have 4 in a row or a total of 8. If you reach 4 consecutive absences or a total of 8 absences, you will be administratively withdrawn from the class with a grade of 'X' or 'F'.*]

When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting.

Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy.

It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

Last day to drop is Thursday, April 27th.

SPC School Holidays:
Monday, 1/16, Martin Luther King Holiday
Monday-Friday, 3/13-3/17, Spring Break
Monday, 4/17, Easter Holiday

Academic Integrity: It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of 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 most serious offense and renders the offender liable to serious consequences, possibly suspension.

Cheating: Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student,

assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in an office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of course work. This applies to quizzes of whatever length, as well as to final examinations, to daily reports and to term papers.

Dress Code: Reasonable standards of decency apply to the college community. The student should dress in a manner which does not distract from the academic atmosphere. Revealing attire or clothing carrying obscene or offensive slogans is not permitted. In all academic buildings, classrooms, offices, the Student Center, and dining facilities, students are required to wear shirts and shoes.

Language: Please be respectful of others and use language that is appropriate to the workplace.

Campus Carry: The Texas Campus Concealed Carry law went into effect on university campuses on August 1st, 2016. The law does NOT go into effect for community colleges until August 1st, 2017. Therefore, NO firearms of any kind are allowed on South Plains College property, regardless of your Concealed Carry status.

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.

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 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, 716-2529 or 716-2530.

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COURSE OUTLINE / CALENDAR*

Problems are assigned online for each section of the textbook that we cover. To access online assignments, you must have an access code (you can buy a code for MyMathLab bundled with your textbook or you can buy just the code at www.mymathlab.com) and register for our course (Course ID: **johansen47912**) at www.mymathlab.com Assignments have due dates, and you will lose 10% per day for work completed after the due date passes. To master the material and prepare for the exams, you **MUST** work extra problems!

*   Assignments and deadlines are subject to change at instructor's discretion, and all changes will be announced in class and posted in MyMathLab.

Date	Content	Required Readings
Week 1 1/16 1/18	**Course Introduction** • **Martin Luther King Holiday – No Classes!!** • Syllabus Overview and Initial Assessment	**Readings**
Week 2 1/23 1/25	**The Whole Numbers (Part 1)** • Adding Whole Numbers and Perimeter • Subtracting Whole Numbers • Multiplying Whole Numbers and Area • Dividing Whole Numbers	**Readings** Chapter 1: 1.3-1.7
Week 3 1/30 2/1	**The Whole Numbers (Part 2) & Integers and Introduction to Variables (Part 1)** • Exponents, Square Roots, and Order of Operations • Introduction to Integers • Adding Integers	**Readings** Chapter 1: 1.9 Chapter 2: 2.2-2.3
Week 4 2/6 2/8	**Integers and Introduction to Variables (Part 2)** • Subtracting Integers • Multiplying and Dividing Integers • Order of Operations	**Readings** **Quiz 1 Due** (Chapter 1) Chapter 2: 2.4-2.6
Week 5 2/13 2/15	**Exam I** • Review for Exam I • **Exam**	**Readings** **Quiz 2 Due** (Chapter 2)
Week 6 2/20 2/22	**Fractions and Mixed Numbers (Part 1)** • Factors and Simplest Form • Multiplying and Dividing Fractions • Adding and Subtracting Like Fractions, Least Common Denominator, and Equivalent Fractions	**Readings** Chapter 3: 3.2-3.4
Week 7 2/27 3/1	**Fractions and Mixed Numbers (Part 2)** • Adding and Subtracting Unlike Fractions • Complex Fractions, Order of Operations, and Mixed Numbers • Operations on Mixed Numbers	**Readings** Chapter 3: 3.5-3.7

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Week 8 3/6 3/8	**Decimals** • Adding and Subtracting Decimals • Multiplying Decimals and Circumference of a Circle • Dividing Decimals	<u>**Readings**</u> **Quiz 3 Due** (Chapter 3) Chapter 4: 4.2-4.4
3/13-17	**Spring Break – No Classes!**	
Week 9 3/20 3/22	**Exam II** • Review for Exam II • **Exam II**	<u>**Readings**</u> **Quiz 4 Due** (Chapter 4)
Week 10 3/27 3/29	**Ratio, Proportion and Measurement** • Ratio • Proportions • Proportions and Problem Solving	<u>**Readings**</u> Chapter 5: 5.1-5.3
Week 11 4/3 4/5	**Percent (Part 1)** • Percents, Decimals, and Fractions • Solving Percent Problems Using Equations • Solving Percent Problems Using Proportions	<u>**Readings**</u> **Quiz 5 Due** (Chapter 5) Chapter 6: 6.1-6.3
Week 12 4/10 4/12	**Percent (Part 2) & Review for Exam III** • Applications of Percent • Review for Exam III	<u>**Readings**</u> Chapter 6: 6.4
Week 13 4/17 4/19	**Exam III** • **Easter Holiday – No Classes!!** • **Exam III**	<u>**Readings**</u> **Quiz 6 Due** (Chapter 6)
Week 14 4/24 4/26	**Introduction to Algebra (Part 1)** • Variable Expressions • Solving Equations: The Addition Property • Solving Equations: The Multiplication Property	<u>**Readings**</u> Chapter 8: 8.1-8.3
Week 15 5/1 5/3	**Introduction to Algebra (Part 2)** • Solving Equations Using Addition and Multiplication Properties • Review for Final Exam	<u>**Readings**</u> Chapter 8: 8.4
Week 16 5/8	**Final Exam** • **Final Exam, 10:15am-12:15pm**	

* Assignments and deadlines are subject to change at instructor's discretion, and all changes will be announced in class and posted in MyMathLab.