Math 100, Elementary Algebra 1 – Spring 2020

Contact Information:

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Text: Beginning & Intermediate Algebra, Edition 5 by Miller/O'Neill/Hyde
E-books are included within the Aleks homework system. Physical paper texts may be optionally purchased for a small fee but a physical book is not required.

Office Hours: MTuWF 11:30-12:30, other times by appointment
There is no need to make an appointment to come to my office hours.
Please stop by whenever you have any questions.

Grading: Your final grade is based on a weighting of activities, quizzes and exams as listed below.

Assessment	Points
Quizzes	10%
Aleks Homework	10%
Midterm Exam	30%
Final Exam	50%

Please note that exams are designed to be administered in one hour. Instructors cannot extend exam times for a student unless that student has a written learning disability accommodation from the Dean of Students Office or Project Success.

Grading Scale:

92-100	A
90-91	A-
88-89	B+
84-87	B
82-83	B-
80-81	C+
75-79	C
50-74	D
0-49	F

Quizzes: You will receive points for pop-quizzes. Unannounced homework quizzes consist of problems from previously assigned topics. If you are absent for any reason on the day of an in-class activity, **your score for that activity is a zero**. There will be **no make-up activities** given.

Aleks: Spending regular time working on homework problems is vital for properly understanding and retaining the information we cover. For homework, we will be utilizing ALEKS. This is an adaptive homework system that will customize your homework questions to your specific needs. You should have received an activation code with the purchase of your textbook through the bookstore. Please use class code **CP49W-EPFNK** when signing up for the course. A video showing you how to sign into the Aleks homework system can be viewed at http://video.mhhe.com/watch/qYN1SRb4hQqVr4KP3s4Mb1 Once you have signed into the course you will begin an initial assessment in which Aleks attempts to understand your level of mathematical understanding on various concepts. This assessment can last up to 30 questions and may take you up to 2 hours. Please take the assessment seriously as it is in your best interest to allow Aleks to accurately assess your content knowledge.
On a daily basis you must be in learn mode to receive credit for the homework assignments. When studying for exams you may wish to enter review mode where you can select specific sections in which to work additional homework problems.
While other browsers may be used, Aleks works best when using Google Chrome.
The technical support for phone number for Aleks is 800-258-2374.

Emails: The fastest way to contact me is via email. If you send me an email please be sure to include your name and your class section or meeting time.

Missing Class: If you miss class you are responsible for the material that you missed. You should plan to read the appropriate textbook section as listed in the course calendar and work through the homework for that section. If you have any questions on that material it is advised for you to spend time in the tutor lab located in Swart 301 or stop by my office hours.

Exams: If I am not contacted prior to exam time and you are absent during an exam, your score for that exam will be zero. There is a cumulative final exam in Math 100.

Calculator: The CalcPal EAI-90 is the required calculator for Math 100. This calculator is available in the campus bookstore. This is the only calculator that will be allowed during quizzes and exams.

Tutoring: Please seek help as soon as you find you are having difficulty with the material. Do not wait. If you cannot make it to my office hours you may contact me and set up a time to come into my office or you may utilize the free walk-in tutor lab located in Swart 301. Please visit the Math Department website for tutor lab hours. https://www.uwosh.edu/mathematics/developmental-mathematics The developmental math tutor lab provides free walk-in tutoring for math 100, 101, and 103 students. Students are encouraged to use the Swart301 lab as a resource for assistance with any questions generated while completing homework exercises.

Cell Phones: The use of a cell phone in the classroom for any reason is a distraction to your fellow students. If you are using your cell phone for any reason during class, you will be asked to leave. If you are using your cell phone for any reason during a quiz, exam, or other graded in-class work you will receive a grade of zero on that material.

Learning Outcomes: Upon successful completion of the course, students are expected to have the ability to complete the following:

- Students will utilize basic concepts about the real number system, fundamental operations of arithmetic, order of operations, inequalities, simplifying or evaluating algebraic expressions, simplifying ratios, solving proportions and solving algebraic equations.
- Students will utilize precise language regarding fractions including numerator, denominator, lowest common denominator, greatest common factor and reciprocal.
- Students will add, subtract, multiply and divide fractions proficiently.
- Students will simplify expressions that contain fractions and solve algebraic equations that contain fractions proficiently.
- Students will utilize information related to linear equations in the representations of equations, tables and graphs.
- Students will determine the slope of a linear equation, create a table, graph a linear equation and create a linear equation given the coordinates of two points.
- Students will solve application exercises through a logical and sequential process that emphasizes preparing a plan of action, creating an equation, solving the equation, answering the original question including the correct units, checking that the answer is a plausible real number solution and rejecting non-plausible real number solutions such as negative distances, and/or extraneous solutions.

Tentative Schedule

February

3	Monday	Aleks & Initial Assessment	
4	Tuesday	Section 1.1	Fractions
5	Wednesday	Section 1.2	Intro to Algebra and Real Numbers
7	Friday	Section 1.3	Exponents, Square Roots, and Order of Operations
10	Monday	Section 1.4	Addition of Real Numbers
		Section 1.5	Subtraction of Real Numbers
11	Tuesday	Section 1.6	Multiplication and Division of Real Numbers
12	Wednesday	Section 1.7	Properties of Real Numbers and Simplifying Expressions
14	Friday	Section 2.1	Properties of Equality
17	Monday	Section 2.2	Solving Linear Equations
18	Tuesday	Section 2.3	Linear Equations: Clearing Fractions and Decimals
19	Wednesday	REVIEW	
21	Friday	MIDTERM EXAM	
24	Monday	Section 2.4	Application of Linear Equations: Intro to Problem Solving
25	Tuesday	Section 2.5	Applications Involving Percents
26	Wednesday	Section 2.6	Formulas and Applications of Geometry
28	Friday	Section 2.7	Mixture and Motion Problems

March

2	Monday	Chapter 2 Review	
3	Tuesday	Section 3.1	Rectangular Coordinate System
4	Wednesday	Section 3.2	Linear Equations in Two Variables
6	Friday	Section 3.3	Slope of a Line and Rate of Change
9	Monday	Section 3.4	Slope-Intercept Form
10	Tuesday	Section 3.5	Point-Slope Form
11	Wednesday	Section 3.6	Applications of Linear Equations and Modeling
13	Friday	REVIEW	
16	Monday	REVIEW	
17	Tuesday	FINAL EXAM	
18	Wednesday	NO CLASS	
20	Friday	NO CLASS	