

Algebra Prep 1

ASC 91 Algebra Prep 1 (2 semester credits)

Course Description: This course is a beginning level algebra course. Topics covered include fundamental operations of fractions, decimals, real numbers, expressions, equations and inequalities. This class does not satisfy college graduation requirements for math.

Prerequisite(s): none

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	Monday	
	Tuesday	
	Wednesday	
	Thursday	
	Friday	
	<u>Office Hours:</u>	

Course Requirements: Learning algebra is an investment of time. Algebra is learned best by practice, reflect, and practice some more. Understanding the steps in the topic explanations and video presentations is a good start. However, to truly know the material, you should be able to look at a problem, know how to proceed, and carry out the steps without assistance. There are multiple attempts in completing the homework which helps to provide opportunities for you to get to that point. It is expected to invest a minimum of 2 hours per semester credit hours outside of the classroom. Students are expected to be active learners in the classroom activities which helps enhance the students learning experience. Learning will take place utilizing the following; MyMathLab, in-class activities, supplemental instruction provided by the instructor; project; homework, and tests/exams.

Course Objectives/Student Outcomes: The students will be able to:

- Perform basic algebraic operations using positive and negative numbers, fractions and exponents
- Demonstrate an understanding of terms and rules used in algebra.
- Utilize problem solving strategies to solve problems.
- Simplify and solve equations and inequalities.
- Analyze and solve various types of math problems.
- Gain the skills need to participate in ASC 92 Algebra Prep II

Relationship to Campus Theme: This course introduces algebra skills that are used to solve problems in science, technology, business and social sciences. These problems will require critical thinking and interaction with other students.

Grading Criteria: Your grade will be weighted on the following:

Homework	25%
In-Class Activities	25%
Tests/Exams	35%
Project	15%

Final letter grades are assigned based on the following:

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

Late Homework/Assignments: It is the **responsibility of the student** to obtain an assignment if they are absent on the day it is given. If a student is absent on the day the assignment is due, it is his/her responsibility to get the assignment to the instructor **on time**. Missed assignments will be graded as a zero. In class activities are meant to be completed in class. Late tests/exams will not be given unless prior approval from the instructor is given.

Schedule (subject to change):

Date	Topic
August 26 th	✓ Welcome! ✓ MyMathLab ✓ Overview of Course
August 27 th	✓ 0.1 - Simplifying Fractions
August 29 th	✓ 0.2 - Adding and Subtracting Fractions
September 1 st	No Class
September 2 nd	✓ 0.3 – Multiplying and Dividing Fractions
September 3 rd	✓ 0.4 – Using Decimals
September 5 th	✓ 0.5 – Percents, Rounding, and Estimating
September 8 th	✓ Chapter 0 Review
September 9 th	✓ Chapter 0 Test
September 10 th	✓ 1.1 – Adding Real Numbers
September 12 th	✓ 1.2 - Subtracting Real Numbers
September 15 th	✓ 1.3 – Multiplying and Dividing Real Numbers
September 16 th	✓ 1.4 - Exponents
September 17 th	✓ 1.5 – The Order of Operations

September 19 th	✓ 1.6 – Using the Distributive Property to Simplify Algebraic Expressions
September 22 nd	✓ 1.7 – Combining Like Terms
September 23 rd	✓ 1.8 – Using Substitution to Evaluate Algebraic Expressions and Formulas
September 24 th	✓ 1.9 – Grouping Symbols
September 26 th	✓ Chapter 1 Review
September 29 th	No Class
September 30 th	✓ Chapter 1 Test ✓ 2.1 – The Addition Principle of Equality
October 1 st	✓ 2.2 – The Multiplication Principle of Equality
October 3 rd	✓ 2.3 – Using the Addition and Multiplication Principle Together
October 6 th	✓ 2.4 – Solving Equations with Fractions
October 7 th	✓ 2.5 – Translating English Phrases into Algebraic Expressions
October 8 th	✓ 2.6 – Using Equations to Solve Word Problems
October 10 th	✓ 2.8 – Solving Inequalities in One Variable
October 13 th	✓ Chapter 2 Review
October 14 th	✓ Chapter 2 Test
October 15 th	✓ Final Review ✓ Live Binder Project DUE
October 17 th	✓ Final Exam