

Algebra Prep 2 – 2nd 8 Weeks

ASC 92 Algebra Prep 2 (2 semester credits)

Course Description: This course is a continuation of Algebra Prep I as a beginning level algebra course. Topics covered include fundamental operations, linear graphing, functions, exponents, polynomials, factoring. This class does not satisfy college graduation requirements for math.

Prerequisite(s): none

Harmony Richman Email: harmony.richman@vcsu.edu Phone: 701- 845-7685 Office Location: Rhodes 104E Course Website: http://mrsrichmanprep.weebly.com/ Textbook: <i>Beginning and Intermediate Algebra by Tobey, Slater, Blair, and Crawford 4th edition.</i> With MyMathLab access code.	Class Schedule:	
	Monday	
	Tuesday	
	Wednesday	
	Thursday	
	Friday	
	Office Hours:	

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:

- Demonstrate an understanding of terms and rules used in algebra.
- Utilize the rules of exponents to simplify exponential expressions.
- Utilize problem solving strategies to solve problems.
- Graph functions using slope-intercept form.
- Perform the basic algebraic operations with polynomials.
- Factor using greatest common factor, factor by grouping factor trinomials of the form $ax^2 + bx + c$, and special cases.
- Analyze and solve various types of math problems.

- Gain the skills need to participate in ASC 93 Algebra Prep III.

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
March 9th	✓ Welcome! ✓ MyMathLab ✓ Overview of Course
March 10 th	✓ 3.1 – The Rectangular Coordinate System
March 11 th	✓ 3.2 Graphing Linear Equations
March 13 th	✓ 3.3 – The Slope of a Line
March 16 th – March 20 th	Spring Break
March 23 rd	✓ 3.4 Writing the Equation of a Line
March 24 th	✓ 3.5 Graphing Linear Inequalities
March 25 th	✓ 3.6 Functions
March 27 th	✓ Chapter 3 Review
March 30 th	✓ Chapter 3 Test ✓ Chapter 3 Homework due by 11:59 PM
March 31 st	✓ 5.1 – The Rules of Exponents
April 1 st	✓ 5.2 – Negative Exponents and Scientific Notation.
April 3 rd – Good Friday	No Class
April 6 th – Easter Monday	No Class

April 7 th	✓ 5.3 – Fundamental Polynomial Operations
April 8 th	✓ Mid-Chapter 5 Review
April 10 th	✓ 5.4 Multiplying Polynomials
April 13 th	✓ 5.5 Multiplication: Special Cases
April 14 th	✓ 5.6 Dividing Polynomials
April 15 th	✓ Chapter 5 Review
April 17 th	✓ Chapter 5 Test ✓ Chapter 5 Homework due by 11:59 PM
April 20 th	✓ 6.1 – Removing a Common Factor
April 21 st	✓ 6.2 – Factoring by Grouping
April 22 nd	6.3 – Factoring Trinomials of the Form $x^2 + bx + c$
April 24 th	✓ Mid Chapter 6 Review
April 27 th	✓ 6.4 Factoring Trinomials of the Form $ax^2 + bx + c$
April 28 th	✓ 6.5 Special Cases of Factoring
April 29 th	✓ 6.6 A Brief Review of Factoring
May 1 st	✓ Chapter 6 Review
May 4 th	✓ Chapter 6 Review
May 5 th	✓ Chapter 6 Test ✓ Chapter 6 Homework due by 11:59 PM
May 6 th	✓ Final Exam Review
May 8 th	✓ Final Exam