ASC 93 – Algebra Prep III

2 credits
Instructor: Tracy Chisholm

Course Description: This course is a beginning level algebra course. Topics covered include equations, inequalities, applications, factoring, rational expressions & equations, and rational exponents & radicals. The class does not satisfy college graduation requirements for math.

Prerequisite: ASC 92 Algebra Prep II, placement by math placement test or instructor approval.

Course Objectives: It is expected that 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 expressions & solve equations and inequalities.
- Factor using greatest common factor, factor by grouping, and factor trinomials.
- Plot points, graph linear equations, and find slope of a line.
- Analyze and solve various types of math problems
  Utilize a hand-held calculator when solving algebra problems
- Gain the skills needed to participate in a college algebra course

Class Schedule: MTWF 1st 8-weeks   1:00pm – 1:50pm

Monday	Tuesday	Wednesday	Thursday	Friday
NSC 126	NSC 124	NSC 126		NSC 126
1-1:50pm	1-1:50pm	1-1:50pm		1-1:50pm

Instructor: Tracy Chisholm

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Office Hours: Mon-Fri 3-4pm and Thursday 2-4pm or by appointment

Tentative Course Outline:

This schedule is designed to give you an idea of where you should be in the course. All of the homework assignments and quizzes are open through the end of the semester, but this timeline will help keep you on track to complete all of the material in the course.

Chapter	Topics	Dates
Chapter 2 (Review) Sections 2.1-2.6,2.8	Equations, Inequalities & Applications	Week 1
Chapter 6 Sections 6.1 – 6.7	Factoring	Weeks 2-4
Chapter 7 Sections 7.1-7.6	Rational Expressions & Equations	Weeks 4-6
Chapter 8 Sections 8.1-8.5	Rational Exponents & Radicals	Weeks 7-8
Final Exam		Week 8

Required Text: *Beginning & Intermediate Algebra 4th Edition* by Tobey, Slater, Blair and Crawford with MyMathLab online learning software Pearson Publishing
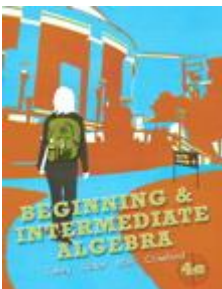
MyMathLab Learning Software Website: www.mymathlab.com

Course Requirements:

Learning algebra is an investment of time. Algebra is learned best by practice, reflect, and practice some more. Understanding the examples provided by the instructor and textbook is a good first step. 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. The independent practice and graded homework provide opportunities for you to get to that point. Passing grades on quizzes and tests demonstrate that you have indeed learned the skills taught.

> **Practice Assignments:** These are graded assignments that can be done multiple times. Only the highest score will be used. These assignments close at 11:59 PM, Central Daylight Time

on the due date. Do the work well in advance. If the assignment is done after the posted due date, 30% will be deducted from your score.

Quizzes: Quizzes will be given periodically. These may be announced or unannounced. Only announced quizzes can be made up. You will be deducted 10% for each day it is late up to two days. You cannot make it up after two days.

Tests: Three graded tests and a comprehensive final are administered over the eight-week term. Students are allowed one attempt on each test. Tests must be taken on the day they are given or previous arrangements must be made prior to the test day. If arrangements are not made and you miss a test, you will receive a 0.

40% Practices & Quizzes **+** 60% Tests **=** 100%

A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%

Students need a 70% final grade to move onto MATH 103 – College Algebra.

General Education Goals/Objectives:

- Goal 2: Demonstrates knowledge and application of technology.
    - Objective 2: Uses electronic resources for course related assignments and information
        - Skill 1: Selects appropriate program on the graphing calculator to solve problems

- Goal 3: Demonstrates the ability to convert, calculate, and analyze a variety of mathematical problems
    - Objective 1: Utilizes mathematical equations to solve problems
        - Skill1: Solves equations and problems using the appropriate method
    - Objective 2: Applies practical application of mathematics to everyday life
        - Skill3: Solves word problems

Relationship to Campus Theme: This course develops algebra skills that are used to solve problems in science, technology, business, and social sciences.

Classroom Policies:

- Regular participation is expected.
- Learning activities and evaluation will occur in the MyMathLab learning system and requires Internet connectivity.
- Students will complete the tests without the use of notes or other materials.

Academic Integrity: The academic community is operated on the basis of honesty, integrity and fair play. It is the expectation that all students, as members of the college community, adhere to the highest levels of academic integrity. This means that:

- Students are responsible for submitting their own work. Student work must not be plagiarized.

- Students must not cooperate on oral or written examinations or work together on evaluated assignments without authorization.

- If there is evidence of cheating on an exam the student will receive an F on the respective exam.

Disabilities and Special Needs: If you have a disability for which you need accommodation, contact the Learning Center to request disability support services: phone 701-228-5477 or toll-free 1-888-918-5623.