Dakota College at Bottineau Course Syllabus

Course Prefix/Number/Title: ASC 93/ 21919/ Algebra Prep 3

Number of credits: 2

Course Description: ASC 93 is a beginning level algebra course. Topics covered include graphing & functions, exponents, polynomials, factoring, systems of linear equations & their applications. The class does not satisfy college graduation requirements for math.

Pre-/Co-requisites: ASC 92 Algebra Prep 2, placement by math placement test or instructor approval.

Course Objectives: Upon completion of this course 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 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 hand held calculator when solving algebra problems.
- Gain the skills needed to participate in a college algebra course

Instructor: Mr. Travis Martin

Office: TH 120

Office Hours: 7:30am-9:00am Mon, Wed, Fri

Phone: (701)228-5672

Email: Travis.martin.2@dakotacollege.edu

Lecture/Lab Schedule: M, Tu, W, F 1st 8 weeks 3:00-3:50
Mon, Wed, Fri- NSC 126 (biology lab)
Tue- NSC 125

Textbook(s): My Math Lab access

Course Requirements:
Learning algebra is an investment of time. Algebra is learned best by practice, reflect, and more practice. 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 test demonstrate that you have indeed learned the skills taught.

Lessons- The online learning environment will include video lessons for each section covered in the course. However, this does not permit students to not come to class as there will be traditional lecture in class and there may be drop quizzes in class as well.

Practice Assignments- These are graded assignments that can be done multiple times. Only the highest score will be used. These assignments close at 11:59pm CDT on the due date. Do the work well in advance.

Quick Quizzes- Each lesson and practice is followed by a graded quiz of three questions. The due dates correspond with those of the related practice assignments.

Tests- Three graded tests and a comprehensive final are administered over the 8 week term. Students are allowed 1 attempt on each test.

40% Practices and Quick Quizzes+ 60% Tests= 100%

A= 90-100%
B= 80-89%
C= 70-79%
D= 60-69%
F= 0-59%

Tentative Course Outline:
The following schedule is designed to give you an idea where you should be in the course as we proceed through the 8 weeks. All homework and quizzes will be open through the semester, but it is recommended that you stay on track with the timeline to be successful.

Ch. 2 Week 1
Ch. 6 Weeks 2-4
Ch. 7 Weeks 5-6
Ch. 8 Weeks 7-8
Final Exam Week 8

General Education Goals/Objectives:
- Goal 2: Demonstrate knowledge and application of technology.
    o 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: Demonstrate the ability to convert, calculate, and analyze a variety of mathematical problems.
    o Objective 1: Utilizes mathematical equations to solve problems.
        ▪ Skill 1: Solves equations and problems using the appropriate method.
    o Objective 2: Applies practical application of mathematics to everyday life.
        ▪ Skill 3: 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
- Cell phones are NOT to be used as calculators.
- Learning activities and evaluation will occur in the MyMathLab learning system and requires internet connectivity.
- Students are to complete the tests without the use of notes or other materials.
- Cell phones are not permitted to be used during class.

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:
- 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.