

Course Prefix/Number/Title:

ASC 93 Algebra Prep. III

Number of Credits: 2

Course Description:

This course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include solving quadratic equations, exponents and radicals, algebraic manipulation involving polynomial and rational forms, and unit analysis. Study skills will be incorporated throughout the course. Credit earned does not count towards any degree, nor does it transfer.

Pre-/Co-requisites:

ASC 92 or Math Placement

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 handheld calculator when solving algebra problems
- Gain the skills needed to participate in a college algebra course

Instructor:

Scott Johnson

Office:

Nelson Science Center 110

Office Hours:

MW 2:00

Phone:

(701)-228-5474

Email:

scott.johnson@dakotacollege.edu

Lecture/Lab Schedule:

MTWF 11:00-11:50

Textbook:

Beginning and Intermediate Algebra, Tobey. Pearson Publishing, 2013.

Course Requirements:

The sequential nature of mathematics deems it necessary for students to attend class on a regular basis, therefore one of the course requirements is regular attendance. Grades will be based on exams. Exams and homework cannot be made up without special permission from the professor. FINAL EXAM WILL BE GIVEN DURING THE SCHEDULED TIME.

A =100-90

B=89-80

C=79-70

D=69-60

F=59 - 0

Tentative Course Outline:

Factoring

Rational Expressions and Equations

Rational Exponents and Radicals

Quadratic Equations and Inequalities

General Education Competency/Learning Outcome(s) OR CTE Competency/Department Learning Outcome(s): None

Relationship to Campus Focus:

Mathematics 107 emphasizes technology through the use of graphic calculators and nature through population modeling.

Classroom Policies:

Please refrain from any behavior that would disrupt the class. Cell phones can only be used in emergency situations and they must be turned to vibrate. The academic environment is an open and harassment free environment. Participation is encouraged.

Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the Campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student.

Academic Integrity:

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles, and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred.

Disabilities or Special Needs:

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

Title IX:

Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the DCB Title IX webpage.