Dual Credit College Algebra Syllabus

College Couse Title

Math 103 at Dakota College in Bottineau

Course Description

Linear and quadratic equations, radicals, exponents and logarithms, rational expressions, systems of linear equations, functional notation, sequences, and series.

Course Objectives

The student will be introduced to the topics above which require certain techniques for solutions. We will develop ideas and methods for applying these techniques leading to a solution or resolution of the questions. During the course the student will be exposed to the use and application of the graphing calculator in the appropriate areas.

Instructor:

Dana Schmidt

Calculator

TI-83, TI-84, or TI-89

Course Requirements

Grades are weighted as follows:

15% Homework
25% Quizzes
60% Tests

This course includes a final weighted as follows:

40% Quarter 1
40% Quarter 2
20% Final

The following is the grading scale:

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

Tentative Course Outline

Prerequisites (6 days)
Equations and Inequalities (10 days)
Coordinates and Graphs (8 days)
Functions (9 days)
Polynomials and Rational Functions (9 days)
Exponential and Logarithmic Functions (8 days)
Systems of Equations and inequalities (8 days)
Matrices and Determinants (7 days)
Sequences and Series (9 days)