

Dual Credit Calculus Syllabus

College Course Title

Math 165 at Dakota College in Bottineau

Course Description

Differentiation, applications of differentiation, integration, exponential and logarithmic functions and calculus, trigonometric functions and calculus, topics in analytic geometry, additional topics in trigonometry.

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:	This course includes a final weighted	The following is the grading scale:
20% Homework	as follows:	A = 90-100%
80% Tests	40% Quarter 1	B = 80-89%
	40% Quarter 2	C = 70-79%
	20% Final	D = 60-69%
		F = 0-59%

Tentative Course Outline

Differentiation (12 days)

Applications of Differentiation (17 days)

Integration (12 days)

Exponential and Logarithmic Functions and Calculus (7 days)

Trigonometric Functions and Calculus (10 days)

Topics in Analytic Geometry (7 days)