MATH 176 – Introductory Calculus for Application in Business and Social Sciences

(4 Credits)

DESCRIPTION:

Differentiation and integration of algebraic functions with applications to the analysis of business and social science problems.

Prerequisite: MATH 124 or MATH 126

STUDENT LEARING OUTCOMES:

a. Find the derivative using the general power rule, chain rule, product rule, and quotient rule.
b. Apply and extend the concepts of derivatives.
c. Perform differentiation of exponential and logarithmic functions.
d. Investigate the concepts of limit.
e. Analyze function concepts, including operations on functions and inverse functions.
f. Evaluate definite and indefinite integrals.
g. Apply and extend all concepts.

TEXT:

To be announced in class.

OUTLINE:

To be announced in class.

EVALUATION:

Grades may be determined by student performance in one or more of the following areas: in-class tests, take-home tests, homework assignments, quizzes, special projects, papers, attendance, and class participation. Degree of importance and types of assessment used will depend on the instructor.

This course satisfies the math requirement in the General Education Core component for selected degree and certificate programs at CSN.