Department: Mathematics

Course No: MATH 106Q

Title: Calculus for Business and Economics

Credits: 3

Contact: David Gross

WQ: Q

Catalog Copy: -MATH 106Q. Calculus for Business and Economics. Either semester. Three credits. (One credit for students who have passed MATH
113, 115, or 120.) Recommended preparation: MATH 101 or the equivalent, and MATH 105. Not open for credit to students who have passed MATH 118. Derivatives and integrals of algebraic, exponential and logarithmic functions.Functions of several variables. Applications.

Course Information:
-a: The goals of the course remain the same. To introduce students to some of the calculus that is found in business and economics.

b: The course format will remain the same: typically 2 or 3 midsemester exams, quizzes and a final.

c: The topics are: Derivatives and integrals of algebraic, exponential and logarithmic functions. Applications such as equilibrium of supply and
demand, elasticity of demand, present values of future cash flows (long-term and finite-term), ...

Q Criteria : -The course include mathematics at or above the basic algebra level as an integral part of the course which is used throughout the course.

The course included the use of basic algebraic concepts such as: formulas and functions, linear and quadratic equations and their graphs, systems of equations, polynomials, fractional expressions, exponents, powers and roots, problem solving and word problems.

The course require the student to understand and carry out actual mathematical manipulations and use them in order to draw conclusions.

Role of Grad Students: -There is a faculty coordinator teaching one section, the other sections are taught under his or her supervision by graduate assistants.