

Department: Mathematics

Course No: MATH 105Q

Title: Mathematics for Business and Economics

Credits: 3

Contact: David Gross

WQ: Q

Catalog Copy: -MATH 105Q. Mathematics for Business and Economics. Either semester. Three credits. Recommended preparation: MATH 101 or the equivalent. Linear equations and inequalities, exponents and logarithms, matrices and determinants, linear programming. Applications.

Course Information:

-a: The goals of the course remain the same. To introduce students to some of the discrete mathematics 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: Linear equations and inequalities, exponents and logarithms, matrices and determinants, linear programming, financial mathematics, counting, finite probability. Applications.

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.

Supplementary Information: -If the committee would like, they may consult the online information which can be accessed through the dept's home page <http://www.math.uconn.edu>, clicking on course home pages and then clicking on Math 105.

