

. Department: Mathematics

Course No: MATH 113Q

Title: Introductory Calculus 2

Credits: 4

Contact: David Gross

WQ: Q

Catalog Copy: 113Q. Introductory Calculus 2. Either semester. Four credits. Four class periods. Prerequisite: MATH 112. Recommended preparation: A grade of C- or better in MATH 112. Students cannot receive credit for MATH 113 and either MATH 115 or 120. May be used in place of MATH 115 or 120 to fulfill any requirement satisfied by MATH 115 or 120. Limits, derivatives, and extreme values of trigonometric functions, with supporting trigonometric topics; anti-derivatives of algebraic and trigonometric functions; the definite integral and 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: During the "on" semester, graduate assistants will be teaching the discussion sections only. During the "off" semester or during the summer, a graduate assistant might be teaching a section by him or herself.