

Department: Mathematics

Course No: MATH 2360Q [223Q]

Title: Geometry

Credits: 3

Contact: David Gross

WQ: Q

Catalog Copy: Either semester. Three credits. Prerequisite: MATH 1121, 1126, 1131, 1151, or 2142. MATH 1121 or 1126 may be taken concurrently. Deductive reasoning and the axiomatic method, Euclidean geometry, parabolic geometry, hyperbolic and other non-Euclidean geometries, geometric transformations.

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: Graduate student assistants do not play a role in the teaching of this course.