

**2143 CALCULUS**

Grade Level: 12

Credit: 1

Fees: None

Prerequisites: Algebra I, Algebra II, Geometry and Pre Calculus (C or better recommended in Pre-Calculus)

This course makes extensive use of plane Geometry and Algebra. Added to these are the notion of limit and limiting processes. Topics include: functions, limits, derivatives, integrals, transcendental functions, techniques of integration, conic sections, hyperbolic functions, volume of revolutions/area and concepts related to physics. Students who take this course are preparing for college study in Business, Economics, Physics, Engineering, and Mathematics.