

AP CALCULUS AB

Requirement area: **Math or Elective**

Course code: MCA450

Grade Level: 11, 12

Prerequisite: Completion of Pre-Calculus

Length: Year long (1.0 credit)

Homework: 5 to 10 hours per week

Designator: NCAA

Description: This course will prepare students for the Calculus AB Advanced Placement examination administered each spring. Students in this course are strongly encouraged to take the AP exam. Calculus AB is equivalent to a college level course. Topics include: Pre-Calculus review, limits and continuity, derivatives, applications of derivatives, definite integrals, differential equations and application of definite integrals. **Based on AP examination scores, students may earn advanced course placement and/or college credit at most colleges and universities.**