

## Course Syllabus for AP Calculus (Subject to Change):

### Monday

- An overview of AP Calculus – the curriculum, the exam, and the AP Audit
- The new Curriculum Framework
- Ideas for AP Calculus classroom design – quizzes, group assessments, homework, etc.
- Derivative Rules
- Chain Rule Activity
- Derivatives of Inverse Functions – a new method

### Tuesday

- Relative and Absolute Extrema
- Graph Analysis
- Optimization and Linearization

### Wednesday

- Card Matching Activity (matching functions to derivatives)
- Derivatives and Data
- Riemann Sums
- Functions Defined by Integrals
- Differential Equations

### Thursday

- Computer resources for AP Calculus
- Area and Volumes of Revolution
- Preparing for the AP Exam