

AP Calculus AB Schedule 2015-2016

| Day | Date | Topic |
|-----------|--------------|---|
| Tues | Aug 18 | Introduction to course |
| Wed/Thurs | Aug 19/20 | TI-89 Overview |
| Fri | Aug 21 | Tangent and Velocity Problem |
| Mon | Aug 24 | The Limit of a Function |
| Tues | Aug 25 | Limit Theorems |
| Wed/Thurs | Aug 26/27 | Limits of Trigonometric Functions |
| Fri | Aug 28 | Problem Day (Curriculum Half Day) |
| Mon | Aug 31 | Definition of Limit |
| Tues | Sep 1 | Continuity |
| Wed/Thurs | Sep 2/3 | Intermediate Value Theorem |
| Fri | Sep 4 | Limits at Infinity |
| Mon | Sep 7 | No school |
| Tues | Sep 8 | Problem Day |
| Wed/Thurs | Sep 9/10 | Problem Day |
| Fri | Sep 11 | Test--Limits |
| Mon | Sep 14 | Definition of Derivative |
| Tues | Sep 15 | Differentiation Theorems |
| Wed/Thurs | Sep 16/17 | Differentiation Theorems |
| Fri | Sep 18 | Derivatives of the Trigonometric Functions |
| Mon | Sep 21 | The Chain Rule |
| Tues | Sep 22 | The Chain Rule |
| Wed/Thurs | Sep 23/24 | Problem Day |
| Fri | Sep 25 | Differentiability |
| Mon | Sep 28 | Problem Day (Curriculum Half Day) |
| Tues | Sep 29 | Higher Order Derivatives |
| Wed/Thurs | Sep 30/Oct 1 | Problem Day |
| Fri | Oct 2 | Problem Day |
| Mon | Oct 5 | Test--Derivatives |
| Tues | Oct 6 | Rectilinear Motion |
| Wed/Thurs | Oct 7/8 | Implicit Differentiation |
| Fri | Oct 9 | Problem Day |
| Mon | Oct 12 | Related Rates |
| Tues | Oct 13 | Problem Day |
| Wed/Thurs | Oct 14/15 | Linearizations |
| Fri | Oct 16 | L'Hopital's Rule |
| Mon | Oct 19 | No school for students |
| Tues | Oct 20 | No school for students |
| Wed/Thurs | Oct 21/22 | Problem Day |
| Fri | Oct 23 | Problem Day |
| Mon | Oct 26 | Test—Applications of the Derivative I |
| Tues | Oct 27 | Inverse Functions |
| Wed/Thurs | Oct 28/29 | Inverse Trigonometric Functions |
| Fri | Oct 30 | Exponential Functions and their Derivatives |

AP Calculus AB Schedule 2015-2016

| Day | Date | Topic |
|-----------|-----------|--|
| Mon | Nov 2 | Problem Day (Curriculum Half Day) |
| Tues | Nov 3 | Logarithmic Functions |
| Wed/Thurs | Nov 4/5 | Derivatives of Logarithmic Functions |
| Fri | Nov 6 | Problem Day |
| Mon | Nov 9 | Derivatives of the Inverse Trigonometric Functions |
| Tues | Nov 10 | Exponential Growth |
| Wed/Thurs | Nov 11/12 | Problem Day |
| Fri | Nov 13 | Problem Day |
| Mon | Nov 16 | Test—Exponential and Logarithmic Functions Part A |
| Tues | Nov 17 | Test—Exponential and Logarithmic Functions Part B |
| Wed/Thurs | Nov 18/19 | Maximum and Minimum Function Values |
| Fri | Nov 20 | Mean Value Theorem |
| Mon | Nov 23 | First Derivative Test for Relative Extrema |
| Tues | Nov 24 | Problem Day |
| Wed/Thurs | Nov 25/26 | Problem Day/No school |
| Fri | Nov 27 | No school |
| Mon | Nov 30 | Concavity and Inflection Points |
| Tues | Dec 1 | Second Derivative Test for Relative Extrema |
| Wed/Thurs | Dec 2/3 | Problem Day |
| Fri | Dec 4 | Problem Day (Curriculum Half Day) |
| Mon | Dec 7 | Graphs of Functions and Their Derivatives |
| Tues | Dec 8 | Graphs of Functions and Their Derivatives |
| Wed/Thurs | Dec 9/10 | Guided Problem Day |
| Fri | Dec 11 | Problem Day |
| Mon | Dec 14 | Problem Day |
| Tues | Dec 15 | Test—Applications of the Derivative II |
| Wed/Thurs | Dec 16/17 | Test—Applications of the Derivative II |
| Fri | Dec 18 | Test—Applications of the Derivative II |

AP Calculus AB Schedule 2015-2016

| Day | Date | Topic |
|-----------|-----------|---|
| Mon | Jan 4 | Antiderivatives |
| Tues | Jan 5 | Rectilinear Motion |
| Wed/Thurs | Jan 6/7 | Substitution |
| Fri | Jan 8 | Substitution |
| Mon | Jan 11 | Problem Day |
| Tues | Jan 12 | Differential Equations |
| Wed/Thurs | Jan 13/14 | Differential Equations |
| Fri | Jan 15 | Problem Day |
| Mon | Jan 18 | No school |
| Tues | Jan 19 | Slope Fields |
| Wed/Thurs | Jan 20/21 | Problem Day |
| Fri | Jan 22 | Problem Day (due to snow day) |
| Mon | Jan 25 | Problem Day |
| Tues | Jan 26 | Test--Antiderivatives |
| Wed/Thurs | Jan 27/28 | Sigma Notation & Approximating Areas via Riemann Sums |
| Fri | Jan 29 | Sigma Notation & Approximating Areas via Riemann Sums |
| Mon | Feb 1 | Exact Area via Limits of Riemann Sums |
| Tues | Feb 2 | The Definite Integral |
| Wed/Thurs | Feb 3/4 | The First Fundamental Theorem of Calculus |
| Fri | Feb 5 | The Second Fundamental Theorem of Calculus |
| Mon | Feb 8 | Problem Day |
| Tues | Feb 9 | The Trapezoid Rule |
| Wed/Thurs | Feb 10/11 | Problem Day |
| Fri | Feb 12 | District Day—no school for students |
| Mon | Feb 15 | No school |
| Tues | Feb 16 | Test—Fundamental Theorems Part A |
| Wed/Thurs | Feb 17/18 | Test—Fundamental Theorems Part B |
| Fri | Feb 19 | Areas Between Curves |
| Mon | Feb 22 | Problem Day |
| Tues | Feb 23 | Volumes by Slicing |
| Wed/Thurs | Feb 24/25 | Volumes Using the Disk/Washer Method |
| Fri | Feb 26 | Volumes Using the Shell Method |
| Mon | Feb 29 | Problem Day (Curriculum Half Day) |
| Tues | Mar 1 | Average Value of a Function |
| Wed/Thurs | Mar 2/3 | The Integral as an Accumulator |
| Fri | Mar 4 | Problem Day Test—Application of the Definite Integral |
| Mon | Mar 7 | Multiple Choice Part A |
| Tues | Mar 8 | Multiple Choice Part B |
| Wed/Thurs | Mar 9/10 | Free Response Part A |
| Fri | Mar 11 | Free Response Part B |