

AP Calculus BC: Son Tekrar Kampı

25 Mart 2025 - 3 Mayıs 2025

Müfredat Bilgisi

Hafta 1:

- Çarşamba, 26 Mart (18:00–19:30):
 - Related Rates
 - Position, Velocity, and Acceleration
- Cumartesi, 29 Mart (18:00–19:30):
 - The First Derivative Test and the Extreme Values of Functions
 - The Second Derivative Test
 - Optimization Problems

Hafta 2:

- Çarşamba, 2 Nisan (18:00–19:30):
 - Tangent Line Approximation and Differentials
 - Euler's Method
- Cumartesi, 5 Nisan (18:00–19:30):
 - The Fundamental Theorem of Calculus Part 1
 - The Fundamental Theorem of Calculus Part 2
 - Integration by Substitution

Hafta 3:

- Çarşamba, 9 Nisan (18:00–19:30):
 - Integration of Exponential and Logarithmic Function
 - Basic Integration Rules
 - Trigonometric Integrals
- Cumartesi, 12 Nisan (18:00–19:30):
 - Trigonometric Substitution
 - Integration by Partial Fractions

Hafta 4:

- Salı, 15 Nisan (19:30-21:00):
 - Integration by Parts
 - Improper Integrals
- Çarşamba, 16 Nisan (18:00–19:30):
 - Separable Differential Equations
 - Exponential Growth and Decay
 - Logistic Equations
- Cumartesi, 19 Nisan (18:00–19:30):

- Slopes and Tangents to the Parametric Curves
- Arc Length meaning
- Arc Length (Distance Traveled Along a Curve) in Parametric Form
- Vector Valued Functions

Hafta 5:

- Salı, 22 Nisan (19:30-21:00):
 - Def of polar on cartesian coordinate planes and meaning
 - Polar Coordinates and Slopes of Curves
 - Areas in Polar Coordinates
- Çarşamba, 23 Nisan (18:00–19:30):
 - Sequences and Series
 - The Integral Test and p-Series
- Cumartesi, 26 Nisan (18:00–19:30):
 - The Comparison Test
 - Alternating Series and Error Bound
 - The Ratio Test

Hafta 6:

- Salı, 29 Nisan (19:30-21:00):
 - Convergence of Power Series
 - Representations of Functions as Power Series
- Çarşamba, 30 Nisan (18:00–19:30):
 - Taylor Polynomial and Lagrange Error Bound
 - Taylor Series and Maclaurin Series
- Cumartesi, 3 Mayıs (18:00–19:30):
 - Free response questions of previous years (2024 and ay be 2023)
 - and also at the end of the each lesson will be planned to solved questions from previous years.