Provider:
Indiana Online

Course Code:
2562

Content Area:
Mathematics

Course Delivery:
Online

Enrollment Type:
Continuous

Enrollment Deadline:
None

Course Description:
Calculus 2 is a continuation of Calculus 1 reaching into antiderivative and integration topics. Calculus is a fusion of a variety of mathematical ideas. When approached with a positive and enthusiastic attitude, calculus can be appreciated as a synergistic kind of mathematics where major ideas through the centuries of humankind come together to form a beautiful explanation of concepts like limits, motion, and accumulation. Calculus relies on thinking about mathematics in a different light, where an object approaches a certain value (instead of equals it) and students are asked to evaluate functions at infinity (instead of at real numbers). Topics of study in this semester are Antiderivatives, Riemann Sums, Fundamental Theorem of Calculus, Integration by Substitution and Numerical Integration, Integration with Transcendental Functions, Applications of Integration,and Area and Volume using Integration.

Credit:
1

Credit Type:
Advanced Placement

NCAA Approved:
Yes

NCAA Code:
85110

Contact:
Laura Garmire
lgarmire@indianaonline.org
317-759-5559

Cost:
$275.00

Indiana Course Title:
AP Calculus AB - 2