

CALCULUS CONNECTIONS

PRECALCULUS REVIEW

M-T-W-R-F Sessions 17:00 - 18:50 ENE 243

and Saturday Sessions 10:00—12:00 ENE 243

Sept. 15 – Arithmetic/Algebra Review I, Sept. 16 – Algebra Review II, Sept. 17 – Solving Equations Sept. 20 – Solving Inequalities
Sept. 22 – Coordinate Geometry, Sept. 23 – Trigonometry I, Sept. 24 – Trigonometry II, Sept. 27 – Functions I
Sept. 29 – Functions II

CALCULUS REVIEW

Sept. 30 – Inverse Functions, Inverse Trigonometric Functions

Oct. 4 – Exponential and Logarithmic Functions

Oct. 6 – Working with Logarithmic Functions, Oct. 7 – Limits I, Oct. 11 – Limits II

Oct. 13 – Infinite Limits and Limits at Infinity

Oct. 18 – Trigonometric Limits and the Squeeze Theorem

Oct. 20 – Continuity and the Intermediate Value Theorem

Oct. 25 – Rates of Change and the Definition of Derivative

Oct. 27 – Product Rule, Quotient Rule

Nov. 1 – Chain Rule, Derivative of Logarithmic and Exponential Functions

Nov. 3 – Implicit Differentiation, Logarithmic Differentiation, Nov. 4 – Related Rates

Nov. 8 – Local and Absolute Maxima/Minima, The Mean Value Theorem

Nov. 15 – Linear Approximation, Taylor Polynomials, Newton's Method

Nov. 17 – L'Hôpital's Rule

Nov. 22 – Graph Sketching: Increasing/Decreasing and Concavity

Nov. 24 – Optimization Problems

Nov. 29 – Area Under a Curve, the Fundamental Theorem of Calculus

Dec. 1 – Indefinite Integrals

Dec. 6 – The Method of Substitution

Dec. 8 – Improper Integrals

Dec. 9 – Area Between Curves

Open to ALL UofC
students including
MATH 249, 265 &
275 STUDENTS

FREE
CALCULUS