

# MAT 1505: Calculus II

Integration (indefinite, definite), applications of integration (area, volume, applications to physics and economics, etc.), methods of integration, approximate integration (trapezoidal and Simpson's rules), improper integrals, differential equations, infinite sequences and series. Continued use of a computer algebra system.

**Credits:** 4

**Prerequisites:**

MAT 1312

MAT 1320

MAT 1400

MAT 1500

MAT 1312 or MAT 1320 or MAT 1400 or MAT 1500

**Program:** [Mathematics and Statistics](#)