MAT 2500: Calculus III

Parametric equations; polar, cylindrical, and spherical coordinates; vectors and the geometry of space; vector functions (derivatives, integrals, curvature, etc.); partial derivatives; optimization; multiple integration and its applications; vector calculus (line integrals, vector analysis). Continued use of a computer algebra system.

Credits: 4
Prerequisites:
MAT 1505
MAT 1505 :D-
Program: Mathematics and Statistics