MATH 244 : Calculus IV

Credits: 3
Class Hours: 3 lecture
Prerequisites: "C" or higher in MATH 243 or acceptable math placement.
Description: This course covers multiple integrals; line integrals and Green's Theorem; surface integrals; and Stokes's and Gauss's Theorems.
Semester Offered: Spring
Course Student Learning Outcomes (CSLOs):
1. Integrate multivariable functions in various coordinate systems.
2. Select and correctly utilize precise mathematical language and symbols to effectively communicate procedures and results.
3. Use multiple integrals to solve application problems, such as those involving Green's, Stokes's, and Gauss's Theorems.