

# MATH3530 : Calculus III

A continuation of Calculus II. Partial differentiation, gradient and directional derivatives, multiple integrals, and topics in vector calculus including vector fields, curl, divergence as well as the integral calculus involving line and surface integrals. Green's Theorem, Stokes Theorem, and Gauss' Theorem are further topics to be studied. Students need to verify they have the prerequisite the first day of class.

**Credits** 4

**Prerequisite Courses**

MATH2520