

MATH 212R: Multivariate Calculus

A course in the calculus of functions of more than one variable usually follows a year of calculus involving functions of only one variable. This course will commence with discussions of vectors and vector value functions. Partial differentiation, multiple integration, and vector operators including gradient, divergence, and curl and related integral theorems: Green's theorem, the divergence theorem, and Stokes' theorem will be introduced, and applications will be included throughout.

Credits: 4

Lecture Hours: 4

Prerequisites:

MATH 210R

Program: [Mathematics](#)