

# MATH 243 : Calculus III

Vector algebra, vector-valued functions, differentiation in several variables, and optimization. Formerly MATH 231.

**Credits** 3

**Lecture Hours** 3

**Prerequisites**

Grade of “C” or better in MATH 206 or MATH 242 or equivalent.

**Course Outcomes**

- Apply concepts and techniques in vector calculus.
- Apply principles and concepts from calculus to multivariable functions.
- Use strategies from this course to solve applied problems.
- Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.