

## **Calculus and Analytic Geometry II**

MATH 2214

### **DEGREE PROGRAM COURSE DESCRIPTIONS**

The student will use integration techniques to find antiderivatives, use integrals to solve problems from geometry and physics, use vectors to solve problems in higher dimensions, test infinite series for convergence, approximate functions by using series, solve elementary first-order differential equations, and analyze functions of three variables and their contour plots.

### **PREREQUISITES?**

MATH 2104 within the last year.

### **CREDIT HOURS**

4