

# MATH 152 : Calculus II

A continuation of Mathematics 151. Applications of integration to physics, statistics and engineering including finding volumes, arc lengths, surface area. Sequences and series, parametrically defined functions including those defined in the polar plane. Introduction to vectors, vector spaces and operations on vectors, including the cross and dot products, norms and linear transformations.

**Semester Hours** 4.0

**Prerequisites**

Grade of 'C' or higher in MATH 151 or instructor permission.