

# MAT-272 : Calculus II

**Credits** 4

**Lab** 2

**Lecture** 3

**Clinical/WkExp** 0

**State Prerequisites**

[MAT-271: Calculus I](#)

**Local Prerequisites**

[MAT-271](#) with a grade of C or higher

**Session Cycle**

ALL

**Course Material Fee** \$80.05

**Description**

This course is designed to develop advanced topics of differential and integral calculus. Emphasis is placed on the applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to integral-related problems with and without technology.