

MAT 272 : Calculus II

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.

Credits 4

Class Hours 3

Lab Hours 2

Clinical Experience Hours 0

State Prerequisite Courses

[MAT 271](#)

Notes

This course has been approved for transfer under the CAA as a general education course in Mathematics.
This course has been approved for transfer under the ICAA as a general education course in Mathematics.
This is a Universal General Education Transfer Component (UGETC) course.