

# MAT270 : Differential Equations

This introductory course in ordinary differential equations is designed for students majoring in mathematics, natural sciences, or engineering. Topics include first order differential equations, linear second order differential equations, Laplace transforms, and planar systems. Emphases are given to analytic methods, existence and uniqueness of solutions, and modeling.

**Credits** 3

**Prerequisites**

A grade of C- or higher in [MAT250](#): Calculus II

**Semester Offered**

Spring