

2021-22 ACADEMIC CATALOG



Midway University

Table of Contents

Course.....	2
MTH 301 - Differential Equations.....	2

Course

MTH 301 - Differential Equations

An investigation into the solution of ordinary equations including, but not limited to, the following: equations of order one via separation of variables, homogeneous coefficients, integrating factors, and substitution; linear equations via matrix methods and differential operators; transform methods; and series solutions. Both analytic and numerical solutions will be considered. Application of methods to the fields of science and mathematics will be an important part of this course. Prerequisite: MTH 222.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [MTH 222](#) - Calculus II

Last updated: 06/28/2021

Midway University

512 E. Stephens Street, Midway, KY 40347

1.800.952.4122