MATH 275 Ordinary Differential Equations

MATH 275 ORDINARY DIFFERENTIAL EQUATIONS

An introduction to ordinary differential equations including quantitative and qualitative methods of solving them; the use of differential equations in various fields; theoretical aspects of differential equations such as establishing when solutions exist; and techniques for obtaining solutions including series solutions, singular points, Laplace transforms, and linear systems. *Letter Grade Only. Degree Credit.*

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Prerequisites: MATH 253

Recommended: Eligibility for ENGL 100.

AA/AS Degree Requirements: Area A3; Math Competency

Transfer Credit: CSU (CSU GE Area B4), UC (IGETC Area 2A)

C-ID: MATH 240; MATH 910S (both MATH 270 + 275)