COURSE NUMBER: MATH 255
COURSE NAME: Elementary Differential Equations
CREDIT HOURS: 5 hours (5 lecture, 0 lab)
QUARTERS OFFERED: SU

PREREQUISITE

MATH 254 with a grade of "C" or higher.

COURSE DESCRIPTION

A study of the basic concepts and methods of solving ordinary differential equations; first, second and higher order linear equations; Laplace transforms; series solutions; numerical methods; applications to physical sciences and engineering.

GOALS AND/OR OBJECTIVES

To acquaint the student with the various classes and methods of solution of elementary differential equations with emphasis on applications.

TEXTBOOK


GENERAL INSTRUCTIONAL METHODS