PREREQUISITE

MATH 254 with a grade of "C" or higher.
Not open to students who have completed MATH 255

COURSE DESCRIPTION

Ordinary and partial linear and nonlinear differential equations; Fourier series; boundary value
problems. Applications to engineering and the physical sciences.

GOALS AND/OR OBJECTIVES

To master the standard techniques of elementary ordinary differential equations, Fourier series,
and separation of variables in partial differential equations; to develop problem-solving skills and
interpretation of solutions.

TEXTBOOK