

# Math 136: Partial Differential Equations

## Catalog Description

**136. Partial Differential Equations.** Lecture, three hours; discussion, one hour. Prerequisites: courses 33A, 33B. Linear partial differential equations, boundary and initial value problems; wave equation, heat equation, and Laplace equation; separation of variables, eigenfunction expansions; selected topics, as method of characteristics for nonlinear equations.

## General Information

Math 136 is offered once each year, in the Spring. Together with 135A in the Fall and 135B in the Winter, it is the third of a natural sequence of courses in differential equations. Note however that the courses 135AB are not required for 136.

Enrollments in Math 136 have oscillated between 30 and 100 over the past several years.