

MATH 467: 3 s.h. Partial Differential Equations

Fourier series and the method of separation of variables; the wave equation, heat equation and Laplace's equation; d'Alembert's formula. Maximum principles, energy integrals and uniqueness. Sturm-Liouville problems and eigenfunction expansions. Offered in fall.

Prereq: C- or higher in MATH 365.