MATH 411: Numerical Analysis with Application

This is a course in numerical methods for solving mathematical problems. It covers solution of linear equations, roots of polynomial equations, interpolation and approximation, numerical differentiation and integration, solution of ordinary differential equations, and error analysis. The writing of computer programs for solving problems is a part of the course. Offered via Southwestern's virtual classroom from Southern Adventist University.

Credits: 3
Prerequisites:
MATH 211
and knowledge of a computer programming language (CSIS 110 is recommended).
Program: Mathematics
Semester Offered: Spring odd years