

**Tennessee Technological University
Mathematics Department**

MATH 6510: Finite Difference Solutions of Partial Differential Equations

I. COURSE DESCRIPTION FROM CATALOG:

Approximate solutions of boundary and initial value problems using the finite difference method. Elliptic, parabolic, and hyperbolic PDE's. Numerical differentiation. Solution methods for linear systems. Lec. 3. Cr. 3.

II. PREREQUISITE(S):

C or better in MATH 4510 or MATH 5510 or consent of instructor.

X. DISABILITY ACCOMMODATION

Students with a disability requiring accommodations should contact the Accessible Education Center (AEC). An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The AEC is located in the Roaden University Center, Room 112; phone 931-372-6119. For details, view the Tennessee Tech's Policy 340 – [Services for Students with Disabilities at Policy Central](#).