THE UNIVERSITY of MISSISSIPPI

Csci 353: Introduction to Numerical Methods
Computer & Information Science

This course provides an overview of numerical methods and optimization techniques, laying the foundation for advanced studies in machine learning, data science, and related engineering disciplines. It covers fundamental concepts like numerical errors and algorithm efficiency, delves into topics like interpolation, integration techniques, and matrix factorization, and explores various computational topics essential for data science and engineering. 3 Credits

Prerequisites

- Math 262: Unified Calculus & Analytic Geometry II
- Prerequisite: Csci 111 or CIS 111 or Csci 251 or CIS 251 or Csci 113 or CIS 113 or Csci 256 or CIS 256 or Csci 259. (Minimum grade: C-)
- Csci 111 or Csci 251

Instruction Type(s)

- Lecture: Lecture for CSCI 353

Subject Areas

- Computer Science