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

- Prerequisite: Csci 111 or CIS 111 or Csci 251 or CIS 251 or Csci 113 or CIS 113 or Csci 256 or Csci 259. (Minimum grade: C-)
- Prerequisites: Math 263 or Math 319
- Csci 111 or Csci 251

Instruction Type(s)

- Lecture: Lecture for CSCI 353

Subject Areas

- Computer Science

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