



DS 284 Aug. 2:1

Numerical Linear Algebra

Instructor

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Teaching Assistant

Email:

Department: Computational and Data Sciences (CDS)

Course Time: Mon., Wed., Thur., 11 AM - Noon

Lecture venue: CDS #202

Detailed Course Page:

Announcements

Brief description of the course

Numerical methods/algorithms to solve matrix and linear systems, and their stability.

Prerequisites

Basic knowledge of Matrices and Vector spaces.

Syllabus

Vector and Matrix norms, Methods for Matrix Factorizations, Conditioning of Problems and Stability of

Algorithms, Iterative methods for solution of linear systems.

Course outcomes

Numerical methods and their analysis for solving different types of linear systems.

Grading policy

30% for numerical assignments, 30% for Mid-term exam and 40% for final exam.

Assignments

Resources