

# Math 519: Matrices

Basic matrix theory, eigenvalues, eigenvectors, normal and Hermitian matrices, similarity, Sylvester's Law of Inertia, normal forms, functions of matrices.

### 3 Credits

## **Prerequisites**

• Math 319: Introduction to Linear Algebra (Minimum grade: C)

## Instruction Type(s)

• Lecture: Lecture for Math 519

## **Subject Areas**

Algebra and Number Theory

## **Related Areas**

- Analysis and Functional Analysis
- <u>Geometry/Geometric Analysis</u>
- <u>Mathematics, General</u>
- Topology and Foundations

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