

# 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**

<u>Algebra and Number Theory</u>

## **Related Areas**

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

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