# Math 519: Matrices
## [Mathematics](#)

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](#)
- [Geometry/Geometric Analysis](#)
- [Mathematics, General](#)
- [Topology and Foundations](#)