

# 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

