

# Math 501: General Topology I

## [Mathematics](#)

Metric spaces; Baire's theorem; topological spaces; continuity; separation axioms; connectedness; compactness; and quotient and product topologies.

3 Credits

### Prerequisites

- [Math 305: Foundations of Mathematics](#) (Minimum grade: C)

### Instruction Type(s)

- Lecture: Lecture for Math 501
- Lecture: Compressed Video for Math 501

### Subject Areas

- [Topology and Foundations](#)

### Related Areas

- [Algebra and Number Theory](#)
- [Analysis and Functional Analysis](#)
- [Geometry/Geometric Analysis](#)
- [Mathematics, General](#)

