

# Math 513: Theory of Numbers I

## Mathematics

Divisibility; properties of prime numbers; congruences and modular arithmetic; quadratic reciprocity; and representation of integers as sums of squares.

3 Credits

### Prerequisites

- [Math 305: Foundations of Mathematics](#)
- Prerequisite: Junior standing (60 hr).

### Instruction Type(s)

- Lecture: Lecture for Math 513
- Lecture: Compressed Video for Math 513

### Subject Areas

- [Algebra and Number Theory](#)

### Related Areas

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

