

# 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

# **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

