

# Math 513: Theory of Numbers I

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**

<u>Algebra and Number Theory</u>

#### **Related Areas**

- Analysis and Functional Analysis
- Geometry/Geometric Analysis
- <u>Mathematics, General</u>
- <u>Topology and Foundations</u>

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