# 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](#) $target.descriptions.MinimumGrade$

## 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](#)