

# 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

<u>Math 305: Foundations of Mathematics</u>

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

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

