Math 328

Introduction to Number Theory
Fall 2016: MW 11:30-12:45
Classroom: W301
Office Hours: 9:00-9:45am and 1:00-2:00pm W410

Instructor: Ken Ono (Asa Griggs Candler Professor of Mathematics and Computer Science)
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Course website: The syllabus and problem sets can be found at:
http://www.mathcs.emory.edu/~ono/ (click on course title)

Course Description: This course is an introduction to ‘Number Theory.’ We shall study the following topics:

- Pythagorean Triples,
- Fermat’s Last Theorem,
- Congruences,
- Multiplicative Functions,
- Quadratic Residues,
- Representations of Integers as sums of squares,
- Distribution of Primes,
- Pell’s Equations.

Text: The official text for the course is:


Assignments, Exams and Grading: There will be regular homework assignments. Students will present solutions to the problems in class. There will be 2 midterms and one optional final exam.

Graded Homework= 10%
Homework Presentations and Class Participation= 15%
Each Midterm = 25% (Note: 37.5% for students not taking the final exam)
Final Exam = 25%