

MATH 497A
Number Theory in the Spirit of Ramanujan
FALL Semester 2013

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Class Hours: Section One, MWF 10:10 to 11:00 AM in 113 McAllister Building
Recitation Class: T 11:15-12:05 in 113 McAllister Building
Office Hours: Mondays and Tuesdays at 3:35 PM; Wednesdays at 1:25 PM; and Thursdays at 3:30 PM.

Course Description: This course will introduce several topics in number theory that are related to the work of the Indian genius, Srinivasa Ramanujan. The theory of partitions and sums of squares will be among the items considered.

Grading Policy: Grades will be based on four factors: Homework, mid-term exam, term project, and oral final exam.

Textbook: Bruce C. Berndt, Number Theory in the Spirit of Ramanujan, AMS.

Course Syllabus: We will cover the first four chapters. Then we will do parts of chapters 5 and 6, and most of chapter 7.

Academic Integrity: All Penn State Policies regarding ethics and honorable behavior apply in this course.

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