

Number Theory and Proof, Math 345-02
Syllabus, Fall 2009

Instructor: Dr. Wenxiang Wang
Office: JB 314
Telephone: 537-5370
Office hours: TuTh: 3-3:50pm,
and by appointment.

Textbook:

Elementary Number Theory by David Burton, sixth edition.

In this class, We will introduce the ideas and techniques of proof within classical number theory. The topics range from divisibility, primes, Fermat Theorem to primitive roots. We will cover the chapters 1-8.

Homework and quizzes:

Homework will be assigned at the end of each class but not collected. We will discuss homework problems in class. Working together on homework is encouraged, but remember that you need to finish the tests all by yourself. You are also encouraged to work out some homework problems in my office.

Exams:

There will be a comprehensive final exam and two midterms. Two midterms will be given on 10/20 and 11/12. The final exam will take place on Thursday, 12/10 at 6pm.

Grading:

Course grade will be based on two midterms and final exam, as follows:

Final exam	50%
Midterms	50%

Grading criteria:

90–100%	A
76–89%	B
60–75%	C
50–59%	D

The "+" and "-" will occur at the fringes of the scale.

If you are in need of an accommodation for a disability in order to participate in this class, please let me know ASAP and also contact Services to Students with Disabilities at UH-183, (909)537-5238.