

Class:	12:30 – 1:45 pm MW in Boyd 306
Textbook:	<i>Elementary Number Theory</i> , 7 th Edition, by David M. Burton.
Instructor:	Dr. Xiaofeng Gu (xgu@westga.edu)
Office:	Boyd 316; Phone: (678) 839-4143
Office Hours:	MW 9:00 – 11:30 am
Course Website:	CourseDen

1 Topics

Divisibility, Primes and their distribution, congruences, Fermat's Theorem, number-theoretic functions, Euler's Generalization of Fermat's Theorem, The quadratic reciprocity law, etc.

2 Evaluation

Homework and quizzes: 30%. To get credits, your work must be clear, neat and in details.

Three tests: 45% (15% each).

Final Exam: 25%. The final exam (on Monday, December 9 at 11:00am-1:00pm) is cumulative.

Grades: Grades will be based on the following percentages.

90-100: A	80-89: B	70-79: C	60-69: D	0-59: F
-----------	----------	----------	----------	---------

3 Policies

Attendance and Responsibility: You are required to attend every class. If a class is missed, you are responsible for all materials and assignments. It is also important that you read the textbook. You should expect to spend at least six hours outside of class each week working on material for this class.

Equipment: Any cell phone is NOT allowed to use in class. Please silence your cell phone during the class.

Late policy: Every assignment must be turned in by the due date. Late assignments will be penalized 20% per class day; no assignment will be accepted more than two class days after the due date.

Make-ups: Make-up will be granted only for excused absences. Official documents are needed. The student is required to contact the instructor in advance to schedule the make-up, or inform the instructor by email or phone as soon as possible on the original date. Any make-up must be arranged within a week from the original date. **No make-up for final exam.**

University Policies and Academic Support: For important policy information, i.e., the UWG Honor Code, Email, and Credit Hour policies, as well as information on Academic Support, Online Courses and Campus Carry, etc, please review the **Common Language for Course Syllabi:** <https://www.westga.edu/UWGSyllabusPolicies/>.

You should read this at the beginning of each semester.

4 Important Dates

August 14	Classes begin
September 2	Labor Day Holiday (no classes)
October 3-4	Fall Break (no classes)
October 9	Last day to withdraw with a grade of W
November 25-29	Thanksgiving Holiday (no classes)
December 6	Classes end

The instructor retains the right to modify this syllabus to better serve the course objectives.