

MATH 345 Number Theory and Proof Spring 2008

Instructor: Dr. Giovanna Lloset
gloset@csusb.edu
Office: JB 324
Office hours: Mondays and Wednesdays 2:00 – 4:00 pm
or by appt
Web page: www.math.csusb.edu/faculty/gloset/home.html

Course description: In this course we will study mathematical induction, divisibility theory in the integers, primes and their distribution, theory of congruences, primitive roots and indices and some general important theorems in number theory. I expect to cover chapters 1 through 8. Some chapters will be covered partially. If time allows us, we will study some other special topics.

Credit: This class is worth 4 hours

Text: Elementary Number Theory by David M. Burton. Mc Graw Hill. Sixth Edition. 2007.

Class Time: Mondays and Tuesdays: 6:00-7:50pm. Room: JB 383

Grading:

The breakdown for your grade is:

Quizzes	35% (5% each)
Midterms	40%
Attendance	5%
Final	20%

Quizzes. *Homework* will be assigned every class period. Please feel free to stop by my office to discuss the problems during my office hours, or make an appointment and I'll find some time convenient for both. Homework will not be collected but the *quiz on Monday* will be based on the problems assigned during the previous weeks. (Also midterm problems will be taken out or considerably close to homework problems). There will be a quiz every week, except for weeks 5 and 9. The lowest score will be dropped.

There will be 2 midterms, quizzes every Monday and a comprehensive final.

The *midterms* are going to be 60 minutes exams on **Mondays in weeks 5 and 9.**

Attendance: You are expected to attend class on time. Should you miss a class you are responsible for learning the material. There is also, as described above, a percentage of your grade that corresponds to this and will be used in the following way: 5% of your grade will be given to you in advance; for each absence after the first one, you will have 2% taken off your grade; there is no limit on this amount; if you miss more than 2.5 classes, you will continue to have points taken off your final grade.

Make up policy: There will be no make-ups for missed exams or quizzes, except when you can present a verifiable written excuse that shows an emergency.

Your overall letter grade will correspond to the percentage of achievement in this class, and will roughly be:

	87-89% B+	77-79% C+	67-69% D+	
93-100% A	83-86% B	73-76% C	63-66% D	0-60% F
90-92% A-	80-82% B-	70-72% C-	60-62% D-	

Drop date: The last date to drop this class without record is April 21st.

Students with Disabilities: Students with disabilities who need accommodations to achieve course objectives please see me as soon as possible. More information is available at Services to Students with Disabilities at UH-183, 909.537.5238.

"If you are in the B.A. Teaching Track Program (BATT), you are required to submit work from this course as part of your portfolio in Math 599. Appropriate samples include any assignments, quizzes, exams, or written activities that show your personal skill in constructing mathematical proofs. Please save your exemplary work to include in your portfolio. See the "Portfolio Criteria for the BATT " handout from the Mathematics Department for more details."

Changes to Course Plan: The course schedule, exam times and any other aspect of this course plan may be modified during the quarter. Such changes will be announced in advance during class periods. The student is responsible for keeping abreast of such changes.

Please let me know if there is any way I can do number theory easier and/or the lectures more pleasant for you anytime!!