

Summer 2012 - First term (May 29 -July 02)

Math 433 - Applied Algebra

Section 100

MTWRF 12:00pm - 1:35pm

Blocker 160

Instructor: Dr. Sheng-Chi Liu

Office: Milner 002

Email: scliu@math.tamu.edu . Please put "Math 433" in the subject line of all course related emails.

Office Hours: TBA. (Check Instructor's webpage)

Textbook: Humphreys/Prest "Numbers, Groups and Codes" 2nd, Cambridge University Press.

Instructor's Webpage: <http://www.math.tamu.edu/~scliu>

Prerequisites: Math 220 or 302; Math 304 or 323.

Course Description We will cover the following topics: (Chapters 1, 2, 4 and 5 in the textbook.)

1. Basic number theory
2. Set theory and functions
3. Permutation groups
4. Introduction to group theory and coding theory

Grades and Exam schedule:

Assessment	Points	Date
Exam 1	30%	June 11
Exam 2	30%	June 25
Final Exam	20%	July 2, 1-3pm
Quizzes	20%	
Attendance	5% (bonus)	

Unless otherwise announced, no calculators etc. will be allowed on any of the exams. Any appeals of grades on the midterm exams or quizzes must be made within one week of the graded exams being returned to the class.

Your letter grade will be determined from your total points as follows:

$A > 90\%$, $90\% > B > 80\%$, $80\% > C > 70\%$, $70\% > D > 60\%$, $F < 60\%$.

Absences: Make-up exams and quizzes will only be allowed for university approved excuses which must be verified in writing. See <http://student-rules.tamu.edu/rule7.htm>. As noted in the university attendance policy, a "University Sponsored Activity" is not automatically an excused absence. A plane ticket is not an excused absence.

If feasible, University policy requires written notification in advance. Otherwise, two working days are allowed for notification. Excuses must have some form of written verification such as a doctor's note. Occasionally extra time will be required to obtain written verification and the make-up exam or quiz may be administered before the documentation is produced. Verbal requests do not count as written notification.

If you miss a lecture, you are responsible for obtaining lecture notes from another student. You are also responsible for determining if any announcements were made.

Americans with Disabilities Act (ADA) notice: “The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Disability Services Office, in Room B118 of Cain Hall or call 845-1637.”

Academic integrity: The Aggie Code of Honor is “An Aggie does not lie, cheat, or steal or tolerate those who do.” For more information, see <http://www.tamu.edu/aggiehonor>. If you are unsure what is permitted on an assignment, ask.

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