

MATH 4211A/6211A Modern Abstract Algebra I

Fall 2009

Allgood Hall E355

4:00-5:15 PM TR

Instructor: Dr. Christopher Terry

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Office Hours: 1:00-2:15 PM MW, 11:30 AM-12:30 PM TR or by appointment

Course Description: A study of abstract algebraic structure. Topics include groups, subgroups, permutation groups, homomorphisms, and quotient groups.

Prerequisite: MATH 2030 Symbolic Logic and Set Theory.

Textbook: *A First Course in Abstract Algebra* 7th edition by Fraleigh. We will cover sections 0-11 and 13-15. Optional sections may be covered, time permitting.

Grading:	Homework	1/3
	3 Hour Exams	1/3
	Final Exam	1/3

Homework will be graded on correctness, clarity and conciseness. Homework will be due the Thursday at least a week after it is assigned. Homework will not be accepted if it is more than one week late. The final exam will consist of a take-home part and an in-class part. Course letter grades will be assigned on a 10 point scale, i.e. 100-90 is an A, 89.99-80 is a B, etc.

Make up policy: Exams can be made up only if a student has a legitimate excuse and the instructor is contacted before the exam to be missed or within 24 hours after an exam has been missed.

Additional Requirements for 6211 students:

1. A B average must be maintained.
2. Each graduate student will be required to investigate two additional topics not covered by the instructor. The investigations will include a written part, which could be solutions to a set of problems or a summary of the material covered, and a 15-minute presentation to the class.

Attendance: Consistent attendance is expected. A student who misses more than 3 classes may be withdrawn from the class by the instructor.

Mon 17 Aug	First day of classes
Mon, Tue 7, 8 Sep	Labor Day and furlough day (no class)
Mon 12 Oct	Midterm day (last day to withdraw without penalty)
Wed-Fri 25-27 Nov	Thanksgiving Break (no class)
Thu 3 Dec	Last day of classes
Tue 8 Dec	Final exam, 6-8 PM