Department of **Mathematics**

MATH 34700: Elements of Modern Algebra

Instructor: Benjamin Steinberg

Lectures: MW 2:00PM - 3:40PM, NAC 5/111

Office: NAC 8/134a

Phone: (212) 650-5482 (but email is preferred!)

Email: bsteinberg@ccny.cuny.edu

Office Hours: TBA

Textbook: Elements of Modern Algebra by Gilbert/Gilbert 8th edition). (Here is a free text covering a lot of this stuff.)

Material to be covered (tentative)

Sets, mapping, rings, isomorphisms, integral domains, properties of integers, fields, rational numbers, complex numbers, polynomials, groups

Grading

Homework: 10%

Exam 1: 25%

Exam 2: 25%

Final Exam: 40%

Exam Information

Exam 1: February 23

Exam 2: April 8

Exams 1-2 will be administered during the class time. The final exam will be scheduled by the university during the exam period. No makeup exams are allowed. No calculators, books, or notes are permitted on any exam. You are required to bring a photo ID.

Homework

Problem sets will be posted on the course webpage on Blackboard approximately biweekly. Only one problem per set will be graded, but it is recommended that you attempt all problems in order to succeed at the course.