



The Graduate Center of CUNY  
Ph.D. Program in Mathematics  
Course Syllabus

Course Title: Algebra I

Course #: MATH 70600

Time and Location: Tue. 4:00PM - 5:30PM & Thur. 2:00PM - 3:30PM

Instructor Name: Kenneth Kramer

Contact Information: KKramer@gc.cuny.edu

Pre-Requisites: TBA

Office Hours: TBA

Description:

This is the second semester of the introductory course in Algebra. We plan to treat field theory, Galois theory, modules over principal ideal domains, some commutative ring theory, basic algebraic geometry and some representation theory of finite groups, as time permits and depending on what was covered in the first semester. The textbook for the course is Abstract Algebra, by David S. Dummit and Richard M. Foote (third edition).