MAS 5311: Introduction to Algebra I

Instructor: Kevin Keating
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Class meets MWF 9:35–10:25 in Little 127

Textbook
Abstract Algebra (Third Edition) by Dummit and Foote

Exams
Thursday, October 12th, 7:00–9:00 PM
Wednesday, December 13, 3:00–5:00 PM

Syllabus
This course is an introduction to abstract algebra at the graduate level. The basic objects we will study are groups, rings, fields, modules, and vector spaces. Although previous exposure to abstract algebra is helpful, we will develop everything from first principles. The writing of clear and rigorous proofs will be emphasized.

Homework
Homework problems will be assigned and graded on a regular basis. Although you are encouraged to discuss these problems with your classmates, all work you turn in for grading should be your own. In particular, no collaboration is allowed on write-ups of solutions.

Grading
The homework will count 40%, the midterm will count 25%, and the final will count 35%.