

## MAS 6331: Algebra I

Fall 2015

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Office hours: Monday and Wednesday 10:30–11:45, or by appointment.

Class meets MWF 9:35–10:25 in Little 201.

### Textbook

*Abstract Algebra (Third Edition)* by Dummit and Foote

### Exams

Tuesday, October 13, 7:00–9:00 PM

Monday, December 14, 1:00–5:00 PM

### Syllabus

This course is a sequel to the first-year graduate algebra sequence. This semester we will study Galois theory, category theory, group theory, and the theory of commutative and noncommutative rings.

### Homework

Homework problems will be assigned and collected. 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 20%, and the final will count 40%.