

## MAS 5312: Introduction to Algebra II

Spring 2021

Instructor: Kevin Keating

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Office hours: Mondays and Wednesdays 1:30-2:45, via Zoom

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Class meets in Little 125 and via Zoom, MWF 9:35-10:25

### Textbook

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

### Exams

Tuesday, March 2, 7:00-9:00 PM

Monday, April 26, 10:00 AM-12:00 noon (final)

### Syllabus

This course is a continuation of MAS 5311. In the first semester we studied groups; in the second semester we will study rings, modules, vector spaces, and fields. Once again, the writing of clear and rigorous proofs will be emphasized.

### Homework

Homework problems will be assigned and graded on a weekly 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 final write-ups of solutions.

### Grading

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