

MAS 4301: Abstract Algebra I

Spring 2025

Instructor: Kevin Keating

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Office hours: Mondays and Wednesdays 9:30–11:00, or by appointment.

Class meets in Little 221 MWF 12:50–1:40

Textbook

Contemporary Abstract Algebra (10th Edition) by Joe Gallian

I don't recommend the Kindle version, which may render some symbols incorrectly.

Syllabus

This course is an introduction to abstract algebra, focusing mainly on group theory, with (perhaps) some ring theory as well.

Homework

Homework problems will be assigned and collected on a regular basis. You are encouraged to discuss the problems with your classmates, but any work you turn in must be your own. Late homework will not be accepted.

Exams

Friday, February 14 (in-class)

Friday, March 28 (in-class)

Wednesday, April 30, 10:00–noon (final)

Grading

The homework will count 20%, the in-class exams will count 20% each, and the final will count 40%. Your grade will be determined by the following scale:

$90 \leq x \leq 100$: A	$85 \leq x < 90$: A–	$80 \leq x < 85$: B+
$75 \leq x < 80$: B	$70 \leq x < 75$: B–	$65 \leq x < 70$: C+
$60 \leq x < 65$: C	$55 \leq x < 60$: C–	$50 \leq x < 55$: D+
$45 \leq x < 50$: D	$40 \leq x < 45$: D–	$0 \leq x < 40$: E