

MATH 8000, ALGEBRA, FALL 2007, Room 326, Boyd, MWF
10:10 - 11:00.

Dr. Mitch Rothstein, Room 404, Boyd. (706) 542-2567,
rothstei@math.uga.edu

This is the first-semester graduate course in Algebra. The text is [Abstract Algebra: The Basic Graduate Year](#), by [Robert Ash](#), available in pdf format as a free download. It is also available in paperback from Amazon. We will cover the first six chapters, and extra topics as time permits.

There will be weekly homework assignments (50%) , a midterm exam (25%) and a final exam (25%). You will receive an A for excellent work, a B for satisfactory work, a C for marginally passing work and an F otherwise.

The course will be augmented by MATH8005, which meets on Tuesdays, 3:35 - 5:30, also in Room 326. This is a problem-solving session where you will have an opportunity to practice techniques and prepare for the Algebra Qualifying Exam.

HOMEWORK ASSIGNMENTS

[Assignment 1, Due Friday, August 24](#)

[Assignment 2, Due Friday, August 31](#)

[Assignment 3, Due Monday, September 10](#)

[Assignment 4, Due Monday, September 17](#)

[Assignment 5, Due Monday, September 24](#)

SUPPLEMENTARY NOTES

Polynomials over a UFD