

Mathematics 427 — Honors Abstract Algebra

Section G (1:00 MWF in 147 Altgeld)

Instructor: Charles Rezk

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Office hours: Monday, Wednesday, and Friday at 2:00–3:00.

Textbook: Dummit and Foote, *Abstract Algebra*, Third edition, 2003.

This is a big book, with much more material in it than we can reasonably cover. Provisionally, I plan to cover chapters 1–14, with additional topics as time allows.

Course requirements:

Homework: There will be several kinds of homework assignments.

- Reading assignments. Given every day; be prepared.
- Practice problems. These will be assigned twice a week. They will be collected, but only graded to see if an attempt was made. You are allowed to drop four of these.
- Problem sets. These will be assigned once a week, collected on Friday. You are allowed and encouraged to discuss these problems with others, but your written work must be your own. Late homework is not accepted, unless accompanied by a valid excuse.

Quizzes: From time to time, short answer quizzes will be given in class.

Exams: There will be one take home midterm, and one take home final.

Grading: Your final grade will be determined by the following weighing: exams 50 %, problem sets 30 %, practice problems and quizzes 20 %.