

# AMAT 327: ELEMENTARY ABSTRACT ALGEBRA

## SYLLABUS - SPRING 2024

**Instructor:** Prof. Matt Zaremsky

**Course meets:** TTh 10:30-11:50am in Earth Science 108

**Course Website:** <http://www.albany.edu/~mz498674/teaching.html>

**Email:** mzaremsky at albany dot edu

**Office hours:** W 9am-12pm, in my office Catskill 393

### 1. TEXTBOOK

Fredrick M. Goodman *Algebra: Abstract and Concrete* [link].

### 2. COURSE DESCRIPTION

“Basic concepts of groups, rings, integral domains, fields.” (There will be an emphasis on groups.)

### 3. PRE- AND CO-REQUISITES

Prerequisites: AMAT 220, AMAT 300, and AMAT 326. (Note: I personally do not view 326 as a prerequisite for 327.)

### 4. HOMEWORK/GRADING

There will be weekly homework. There will be no final exam, because our official final exam slot is over a week after the last day of class and this doesn't seem fair. Instead there will be three midterm exams. Homework will be posted on the course webpage, due every Thursday. No late work will be accepted. The lowest homework will be dropped. Homework is worth 40% of your grade, and each midterm is 20%.

### 5. WEEK-TO-WEEK GAMEPLAN

The exact week-to-week plan will evolve with the class, but generally speaking we're work through the book with an initial focus on group theory. The exam dates will be decided upon once the class begins, so that everyone can have input, but in general will be somewhat evenly spaced through the semester. No exams are allowed during the last 5 days of the semester, which thanks to the timing of everything (including the Showcase) means that the last midterm can (and hence almost certainly will) happen on Tuesday April 23rd. The (last) class on Thursday April 25th will involve handing back to the exam and doing something fun.

### 6. POLICIES

See university policies [here] (medical excuse policy), [here] (academic integrity), and the following (absence due to religious observance):

*“Instructors must explicitly refer to New York State Education Law (Section 224-A) whereby campuses are required to excuse, without penalty, individual students absent because of religious beliefs, and to provide equivalent opportunities for make-up examinations, study, or work requirements missed because of such absences. Faculty should work directly with students to accommodate religious observances. Students should notify the instructor of record in a timely manner.”*