Lectures schedule: Monday, Wednesday, Friday 12:00 pm - 12:50 pm

Lecture location: GASSON Hall 306

Instructor: Qile Chen

Office: Maloney 529

Email: qile.chen@bc.edu

Office Hours: Monday 3:00 pm to 5:00 pm, Tuesday 11:00 am to 12:00 pm.

Textbook: Dummit and Foote, Abstract Algebra.

Course Website: https://www2.bc.edu/qile-chen/Fall2016Algebra.html

Course Topics:
1. Group actions, direct and semi-direct products, Sylow theorems (Chapter 4 - 6)
2. Rings, PID's, UFD's, and polynomial rings (Chapter 8, 9)
3. Modules, Module over PID’s (Chapter 10 - 12)
4. Field extensions, Galois theory (some topics from Chapter 13 and 14)

Assignments: Homework will be assigned and collected roughly every two weeks. You are encouraged to discuss and collaborate with your classmates. However, you are required to write down the solutions by yourself in your own words. On your write-up, please list and acknowledge anyone who helped you with your homework problems.

Exams: There will be a midterm and a final, both in-class. The midterm is tentatively scheduled on Monday, Oct. 24, and the final exam is scheduled on Saturday, Dec. 17 from 9:00 am to 12:00 pm.

Grading: 60% Homework, 20% Midterm, 20% Final.