

Fall 2019
Math 4281: Introduction to Modern Algebra

Lectures: MWF 11.15am - 12.05pm in Lind Hall 217.

Office hours: Anar Akhmedov: MF 12:20–1:35pm in Vincent Hall 355, akhmedov@math.umn.edu.

Text: Charles C. Pinter, *A Book of Abstract Algebra, 2nd edition*, 2016.

Course Prerequisites: Math 2283 or Math 3283.

Course web page: <http://www-users.math.umn.edu/~akhmedov/MATH4281.html>

Course outline: This is an introductory course on abstract algebra. We plan to cover the basic ideas of modern algebra. The topics in this course will include the basics of group, ring and field theory.

Homework: (Total 80 points) There will be 10 homework assignments in this course, each worth 8 points. Homework will be a fundamental part of this course, and will be worth 80 points. Most of the homework problems will be from the class textbook, but I will be also assigning some additional homework problems. Please make sure to check the course website regularly for assignments and exams. The first homework assignment will be due on 09/18 at 11.15am. The grader will pick up the homework after the class. This means that no late homework can be accepted. You may work together on homework, but everyone must turn in their own written solutions.

Midterm Exams: 30 points each.

I. Wednesday, October 9

II. Friday, November 8

Final Exam: 60 points.

Thursday, December 19, 1:30 p.m.- 3:30 p.m.

Course Total: 200 points.