

Math 30810: Honors Algebra III, Fall 2018

Instructor: Prof. Andrew Putman

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Webpage: <http://www.nd.edu/~andyp/teaching/2018FallMath30810/>

Class Hours: MWF 10:30-11:20

Classroom: DeBartolo Hall 208

Office Hours: MW 4:30-5:30, also by appointment (or just stop by if my door is open!)

Topics: The main topic of this course is the theory of groups, which are algebraic objects that encode symmetries (broadly interpreted). Our focus will be on getting acquainted with a rich store of examples.

Text: *Algebra* by Michael Artin. We will follow the second edition.

Homework: Homework will be assigned every Monday and will be due the following Monday by 6pm in my office (slide it under my door if I am not there). It will be posted to the course webpage by Monday evening. The first problem set is already posted. Collaboration is encouraged, but each student must independently write up his/her own solutions. Late homework is never accepted, but the lowest two homework grades are dropped.

Homework Grading: The grader will focus both on mathematical correctness and on correct mathematical style. Please write your solutions up using complete sentences and proper English!

Exams: There will be one midterm exam and one final exam. Both will be take-home exams with unlimited time. You will be allowed to consult your notes and the course textbook. The date of the midterm will be announced the second week of classes.

Grading:

40% Homework

30% Midterm

30% Final