

Math 30820: Honors Algebra IV, spring 2022

Instructor: Prof. Andrew Putman

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Webpage: <http://www.nd.edu/~andyp/teaching/2022FallMath30820/>

Class Hours: MWF 10:30-11:20

Classroom: Bond Hall 114

Office Hours: MW 11:30-12:30 (or whenever I'm in my office – just stop by!)

Topics: This course will cover rings, modules, and Galois theory.

Text: Artin, Algebra, 2nd edition (ISBN 9780132413770)

Homework: Homework will be due every Sunday by midnight, and will be posted to the course webpage. You should upload it using the form on the course website. It will be returned to you in a shared google drive folder. A link will be sent to you so you can access it. It will be graded both for correctness and on the quality of the mathematical writing. I encourage you to type it up. I also **strongly** encourage you to form study groups and work on the homework as a team! However, you must write up the solutions on your own, in your own words.

Exams: There will be two midterm exams and one final exam, all take-home. The midterm exams will replace the problem set for a week, and will happen after we finish covering Chapter 14 and after we finish covering Chapter 15.

Grading:

40% Homework (lowest dropped)

15% Midterm 1

15% Midterm 2

30% Final

Health and Safety Protocols: Students are expected to wear face-masks covering their nose and mouth during class and office hours. I will wear a mask as well. Students should also comply with all university regulations. Please contact me if you have to isolate or quarantine, and I will help you keep up with the class! I hope to have as normal a semester as possible, but I have three children in public schools and might have to make emergency adjustments to the class format. Let's all try to extend grace to one another as we navigate this semester!