

MATH 110C, ALGEBRA

INSTRUCTOR: RAPHAËL ROUQUIER

Spring 2024

Teaching Assistant Roman Krutowski

Schedule MWF 11-11:50am GEO 6704 (lectures) and Tue 11-11:50am Boelter 5436 (discussion).

Office Hours MW 1pm-2pm, F 9am-10am or by appointment, office: MS 6905

Prerequisites 110A, 110B

Textbook *Lectures on Abstract Algebra*, Richard Elman https://www.math.ucla.edu/~rse/algebra_book.pdf

Description Field extensions, Galois theory, applications to geometric constructions, and solvability by radicals.

Homework There will be 8 homework assignments. They will be due in discussion session, starting Tuesday April 16.

Final Exam Monday June 10, 8am-11am.

Grading 50% homework + 50% final.