Course objectives: Algebraic and transcendental extensions of fields, Galois theory, and tensor and exterior algebras.

Text: Algebra by Hungerford.

Grading: The grade will be based on homework assignments (20%), one midterm exam (30%) and a final exam (50%). Any instance of cheating may result in a failing grade for the assignment, exam or course.

Homework: Homework will generally be assigned over the course of the week and due the following Wednesday. A list of the homework problems will be kept on the webpage.

Collaboration: You are encouraged to discuss homework problems with other students. The final write-up of any solution, however, must be your own. Copying other students’ solutions is cheating and treated as such.