

Block: J+, Tuesdays and Thursdays, 4:00 - 5:15 p.m.

Instructor: Kim E. Ruane

Office Hours : Tuesdays and Fridays, 12:15 - 1:15 p.m.. Thursdays, 2:30-3:30

Office: Bromfield-Pearson 213

Phone: x72006

E-mail: kim.ruane@tufts.edu

**Prerequisites:** Math 145 or equivalent or consent.

**Text:** Frederick M. Goodman, *Algebra, concrete and abstract*, 2nd edition, Prentice Hall, 2003.

**Description:**

This course will cover Chapters 6-9 of the text. In particular, we will study ring theory, field extensions, properties of finite fields, Galois theory, and the insolvability of polynomial equations of degree greater than or equal to five.

**Course Requirements:** There will be weekly problem sets, two mid-term exams, and a final exam.

**Grading Policy:** Your homework will count 30% of your final grade. Each of the two midterms will count 20% and the final will count 30%.