Syllabus for Math 436 Fall 2004

Instructor: Tom Tucker.
Prerequisites: Some familiarity with abstract algebra. In particular, you should be familiar with the basic notions of group theory (groups, subgroups, cosets, kernels of maps, injective and surjective maps).
The course will cover: The course will cover basic group theory (finite and infinite), basic properties of rings and fields, Galois theory, canonical forms for matrices, and representation theory of finite groups.
Homework: There will be weekly homework assignments. There will be some required problems, which are to be handed in, and some suggested problems, which should be done to keep with the course and prepare for exams.
Exams: There will be an in-class midterm exam on Wednesday, October 27 and a final examination on Monday, December 20 at 12:30.
Grading: The grades will be determined as follows:
  45% homework, 15% midterm, 40% final.
Office hours: Mondays 2-3:30, Wednesdays 1-2.
Email: ttucker@math.rochester.edu