

Math 120C Suggested Syllabus

Text: *A First Course in Abstract Algebra*, Fraleigh

Lecture	Section	Topic
1	---	Review of Group Theory
2	---	Cont.
3	---	Review of Polynomials and Field Theory
4	---	Cont.
5	33	Finite Fields
6	33	Cont.
7	33	Cont.
8	48	Field Automorphisms
9	48	Cont.
10	48	Cont.
11	48	Cont.
12	49	Isomorphism Extension Theorem
13	49	Cont.
14		Review
15		Midterm
16	50	Splitting Fields
17	50	Cont.
18	50	Cont.
19	51	Separability
20	53	Galois Theory
21	53	Cont.
22	53	Cont.
23	54	Illustrations of Galois Theory
24	54	Cont.
25	54	Cont.
26	55	Cyclotomic Extensions
27	55	Cont.
28	56	Insolvability of the Quintic
29		Review