

Day	Date	Chapter #	Content	Due Dates, Etc.
Wednesday	9/23	1	Introduction to Groups (Dihedral Groups)	
Friday	9/25	2	Groups	
Monday	9/28	3	Finite Groups and Subgroups	Quiz 1
<i>Tuesday</i>	9/29		<i>X-hour: Introduction to Proof Writing</i>	
Wednesday	9/30	4	Cyclic Groups	
Friday	10/2	5	Permutation Groups	HW 1 Due
Monday	10/5	5	Permutation Groups	Quiz 2
<i>Tuesday</i>	10/6		<i>X-hour: Proof by Induction</i>	
Wednesday	10/7	6	Isomorphisms	
Friday	10/9	6	Isomorphisms	HW 2 Due
Monday	10/12	8	External Direct Products	Quiz 3
<i>Tuesday</i>	10/13		<i>X-hour; Content TBA</i>	
Wednesday	10/14	7	Cosets and Lagrange's Theorem	
Friday	10/16	9-Jul	(see above and below)	HW 3 Due
Monday	10/19	9	Normal Subgroups and Factor Groups	Quiz 4
<i>Tuesday</i>	10/20		<i>X-hour; Content TBA</i>	
Wednesday	10/21	10	Group Homomorphisms	
Friday	10/23	11	Fundamental Theorem of Finite Abelian Groups	HW 4 Due
Monday	10/26	12	Introduction to Rings	Quiz 5
<i>Tuesday</i>	10/27		<i>X-hour; Content TBA</i>	
Wednesday	10/28	13	Integral Domains	
Friday	10/30		In-Class Portion of Midterm	T-H Available
Monday	11/2	13	Integral Domains	(no quiz)
<i>Tuesday</i>	11/3		<i>X-hour; Content TBA</i>	<i>T-H Due</i>
Wednesday	11/4	14	Ideals and Factor Rings	
Friday	11/6	15	Ring Homomorphisms	HW 5 Due
Monday	11/9	16	Polynomial Rings	Quiz 6
<i>Tuesday</i>	11/10		<i>X-hour; Content TBA</i>	
Wednesday	11/11	17	Factorization of Polynomials	
Friday	11/13	17	Factorization of Polynomials	HW 6 Due
Monday	11/16	18	Divisibility in Integral Domains	Quiz 7
<i>Tuesday</i>	11/17		<i>X-hour; Content TBA</i>	
Wednesday	11/18	20	Extension Fields	
Friday	11/20	21	Algebraic Extensions	HW 7 Due
Monday	11/23	22	Finite Fields	Quiz 8
<i>Tuesday</i>	11/24		<i>X-hour; Content TBA</i>	(not 'required')
Wednesday	11/25	n/a	Thanksgiving Break	
Friday	11/27	n/a	Thanksgiving Break	
Monday	11/30	23	Geometric Constructions	
<i>Tuesday</i>	12/1		<i>X-hour; Content TBA</i>	
Wednesday	12/2		Review for Final Exam	HW 8 Due