

Math 320: Abstract Algebra
Fall 2018
Lecture Schedule

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Below is a list of the topics we intend to cover, along with a rough time outline. Actual schedule is subject to change without notice. Last updated October 26, 2018.

Week	Topic	Chapters
8/27 – 8/31	The Division Algorithm	1.1, 1.2
9/3	<i>Labor Day: No Classes</i>	
9/4 – 9/7	Primes and Unique Factorization	1.2, 1.3
9/10 – 9/14	Modular Arithmetic	2.1
9/17 – 9/21	Rings	3.1, 2.2
9/24 – 9/28	Basic Properties of Rings	3.2, 2.3
10/1 – 10/5	Isomorphisms and Homomorphisms	3.3
10/8 – 10/12	Review for Midterm Exam	
	Midterm Exam: Thursday, October 11	
10/15 – 10/19	Polynomial Rings and Divisibility	4.1, 4.2
10/22 – 10/26	Irreducibles, Unique Factorization, and Roots	4.3, 4.4
10/28 – 11/2	Congruence Classes in $F[x]$	5.1, 5.2
11/5 – 11/9	Quotient Rings (Week 1)	6.1, 6.2
11/12	<i>Veteran's Day: No Classes</i>	
11/13 – 11/16	Quotient Rings (Week 2)	6.2, 6.3
11/19 – 11/20	Applications of Quotient Rings	
11/21 – 11/23	<i>Thanksgiving Break: No Classes</i>	
11/26 – 11/30	Groups	7.1, 7.2
12/3 – 12/7	Group Isomorphisms and Homomorphisms	7.3, 7.4
12/10 – 12/12	Review for Final Exam	
12/18	Final Exam: Tuesday, December 18	