Math 320: Abstract Algebra
Spring 2019
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 March 30, 2019.

Week	Topic	Chapters
1/23 – 1/25	Course Overview	
1/28 – 2/1	The Division Algorithm	1.1, 1.2
2/4 – 2/8	Primes and Unique Factorization	1.2, 1.3
2/11 – 2/15	Modular Arithmetic	2.1
2/18 – 2/22	Rings	3.1, 2.2
2/25 – 3/1	Basic Properties of Rings	3.2, 2.3
3/4 – 3/8	Arithmetic in Rings	3.2
3/11 – 3/15	Isomorphisms and Homomorphisms	3.3
3/18 – 3/22	Catch-up Week	
3/25 – 3/29	Polynomial Rings and Divisibility	4.1, 4.2
4/1 – 4/5	*Spring Break: No Classes*	
4/8 – 4/12	Irreducibles, Unique Factorization, and Roots	4.3, 4.4
4/15 – 4/19	Congruence Classes in $F[x]$	5.1, 5.2
4/22 – 4/26	Quotient Rings	6.1, 6.2
4/29 – 5/3	Groups and Symmetries	7.1, 7.2
5/6 – 5/9	Applications of Quotient Rings	
	Review for Final Exam	
12/18	**Final Exam: Thursday, May 16**	