

Abstract Algebra

Spring 2026

Schedule

January 2026						
◀ December					February ▶	
Sun	Mon	Tue	Wed	Thu	Fri	Sat
18	19 MLK Day	20 First Day of Classes Introduction and Expectations What is Abstract Algebra?	21	22 Ch. 1: Intro to Groups. Examples	23	24
25	26	27 Ch. 1: Intro to Groups. Examples	28 Homework 0 Due	29 Ch. 2: Groups. Elementary Properties	30	31

February 2026						
◀ January		March ▶				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 Ch. 2: Groups. Elementary Properties	4 Homework 1 Due	5 Ch. 3: Finite Groups, Subgroups Math Colloquium	6	7
8	9	10 Ch. 3: Finite Groups, Subgroups	11 Homework 2 Due	12 Ch. 4: Cyclic Groups	13	14
15	16	17 Ch. 4: Cyclic Groups	18 Homework 3 Due	19 Ch. 5: Permutation Groups Math Colloquium	20	21
22	23	24 Ch. 5: Permutation Groups	25 Homework 4 Due	26 Ch. 6: Isomorphisms/ Homomorphisms	27	28

March 2026						
◀ February						
		April ▶				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 Ch. 6: Isomorphisms/ Homomorphisms Direct Products (Ch. 8)	4 Homework 5 Due	5 Exam 1 Math Colloquium	6	7
8	9	10 Ch. 7: Cosets and Lagrange's Theorem	11 Homework 6 Due	12 Ch. 7: Cosets and Lagrange's Theorem Group Actions and a Proof of Cauchy's Theorem	13	14
15	16	17 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)	18 Homework 7 Due	19 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups) Math Colloquium	20	21
22	23	24 Ch. 10: Group Homomorphisms (First Isomorphism Theorem)	25 Homework 8 Due	26 Ch. 10: Group Homomorphisms (First Isomorphism Theorem)	27	28
29 Spring Break	30 Spring Break	31 Spring Break Cesar Chavez Day				

April 2026						
◀ March		May ▶				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 Spring Break	2 Spring Break	3 Spring Break	4 Spring Break
5	6	7 Ch. 11: The Fundamental Theorem of Finite Abelian Groups	8 Homework 9 Due	9 Exam 2 <u>Math Colloquium</u>	10	11
12	13	14 Ch. 12: Introduction to Rings <u>Reid Lecture</u>	15 Homework 10 Due	16 Ch. 12: Introduction to Rings Ch. 13: Integral Domains	17	18
19	20	21 Ch. 13: Integral Domains	22 Homework 11 Due	23 Ch. 14: Ideals and Factor Rings (Quotient Rings) <u>Math Colloquium</u>	24	25
26	27	28 Ch. 14: Ideals and Factor Rings (Quotient Rings) <u>Richard Dedekind and the Creation of an Ideal</u>	29 Homework 12 Due	30 Maximal and Prime Ideals <u>Richard Dedekind and the Creation of an Ideal</u>		

May 2026						
◀ April						June ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5 Ch. 15: Ring Homomorphisms (First Isomorphism Theorem)	6	7 Ch. 15: Ring Homomorphisms (First Isomorphism Theorem)	8	9
10 Homework 13 Due Primary Source Project Due	11	12 Final Exam 4-6pm in Commons 206	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						