Math 470: Abstract Algebra
Spring 2024 Course Schedule

◄ Dec 2023 | **January 2024** | Feb 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
21	22 Start of the semester	23 First Day of Class Introductions and expectations What is abstract algebra?	24	25 Chapter 1: Intro to Groups	26	27
28	29	30 Chapter 2: Elementary Properties of Groups	31 Homework 0 Due on Gradescope			

◄ Jan 2024

February 2024

Mar 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 Chapter 2: Elementary Properties of Groups	2	3
4	5	6 Chapter 2: Elementary Properties of Groups Chapter 3: Finite Groups, Subgroups	7 Homework 1 Due on Gradescope	8 Chapter 3: Finite Groups, Subgroups	9	10
11	12	13 Quiz 1 Chapter 4: Cyclic Groups	14	15 Chapter 4: Cyclic Groups SMIMIC Talk	16	17
18	19	20 Chapter 5: Permutation Groups	21 Homework 2 Due on Gradescope	22 Chapter 5: Permutation Groups SMIMIC Talk	23	24
25	26	27 Chapter 6: Isomorphisms/ Homomorphisms	28 Homework 3 Due on Gradescope	29 Chapter 6: Isomorphisms/ Homomorphisms SMIMIC Talk		

March 2024

◄ Feb 2024 | Apr 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5 Chapter 7: Cosets and Lagrange's Theorem	6 Homework 4 Due on Gradescope	7 Chapter 7: Cosets and Lagrange's Theorem	8	9
10	11	12 Quiz 2 Chapter 8: Direct Products	13	14 Chapter 8: Direct Products Sunzi's Theorem SMIMIC Talk	15	16
17 Spring Break!	18 Spring Break!	19 Spring Break!	20 Spring Break!	21 Spring Break!	22 Spring Break!	23 Spring Break!
24	25	26 Chapter 7: Cosets and Lagrange's Theorem: Orbit-Stabilizer for Cauchy's Theorem	27 Homework 5 Due on Gradescope	28 Chapter 8: Direct Products Sunzi's Theorem SMIMIC Talk	29	30

◄ Mar 2024

April 2024

May 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Mar. 31	1 Cesar Chavez Day	2 Chapter 9: Normal Subgroups and Factor (Quotient) Groups	3 Homework 6 Due on Gradescope	4 Primary Source Project: Holder's Quotient Group Concept SMIMIC Talk	5	6
7	8	9 Primary Source Project: Holder's Quotient Group Concept Chapter 10 Group Homomorphisms	10	11 Chapter 10 Group Homomorphisms and Chapter 11: The Fundamental Theorem of Finite Abelian Groups	12	13
14	15	16 Chapter 12: Introduction to Rings	17 Homework 7 Due on Gradescope	18 Chapter 12: Introduction to Rings Chapter 13: Integral Domains	19 Primary Source Project Due on Gradescope	20
21	22	23 Chapter 13: Integral Domains Reid Lecture	24 Homework 8 Due on Gradescope	25 Chapter 14: Ideals and Factor (Quotient) Rings	26	27
28	29	30 Quiz 3 Chapter 14: Ideals and Factor (Quotient) Rings				

May 2024

◄ Apr 2024 | Jun 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Chapter 15: Ring Homomorphisms SMIMIC Talk	3	4
5	6	7 The Rings and Ideas of Algebraic Number Theory	8 Homework 9 Due	9 Last Day of Class The Rings and Ideas of Algebraic Number Theory	10	11
12	13	14 Final Exam 6:15-8:15 pm in Commons 206	15	16	17	18