

# Math 470: Abstract Algebra

## Spring 2024 Course Schedule

January 2024						
◀ Dec 2023						Feb 2024 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
21	22 Start of the semester	23 <b>First Day of Class</b>  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			

February 2024						
◀ Jan 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  <a href="#">SMIMIC Talk</a>	16	17
18	19	20 Chapter 5: Permutation Groups	21 Homework 2 Due on Gradescope	22 Chapter 5: Permutation Groups  <a href="#">SMIMIC Talk</a>	23	24
25	26	27 Chapter 6: Isomorphisms/ Homomorphisms	28 Homework 3 Due on Gradescope	29 Chapter 6: Isomorphisms/ Homomorphisms  <a href="#">SMIMIC Talk</a>		

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  <a href="#">SMIMIC Talk</a>	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 9: Normal Subgroups and Factor (Quotient) Groups	27 Homework 5 Due on Gradescope	28 Chapter 9: Normal Subgroups and Factor (Quotient) Groups  <a href="#">SMIMIC Talk</a>	29	30

# April 2024

◀ Mar 2024

May 2024 ▶

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

May 2024						
◀ Apr 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Chapter 15: Ring Homomorphisms <a href="#">SMIMIC Talk</a>	3	4
5	6	7 The Rings and Ideas of Algebraic Number Theory	8 Homework 10 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