Math 470: Abstract Algebra Spring 2023 Schedule MW 4 pm to 5:15 pm in Academic Hall 201 Text: Contemporary Abstract Algebra 9th Edition by Joseph A. Gallian

■ December January 2023 February ▶							
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23 Semester Starts	24 First Class: Introduction and Expectations What is Abstract Algebra? Preliminaries	25	26 Ch. 1: Intro to Groups. Examples	2 7	28	
29 Homework o Due at 11:59 pm on Gradescope.	30	31 Ch. 2: Groups. Elementary Properties.					

▼January February 2023 March ▶							
Sun	Mon	Tue	Wed	Thu 2 Ch. 2: Groups. Elementary Properties. Ch. 3: Finite Groups, Subgroups	Fri 3	Sat 4	
5 Homework 1 Due at 11:59 pm on Gradescope.	6	7 Ch. 3: Finite Groups, Subgroups Ch. 4: Cyclic Groups	8	9 Ch. 4: Cyclic Groups Ch. 5: Permutation Groups	10	11	
12	13	14 Quiz 1 Ch. 5: Permutation Groups	15	16 Ch. 5: Permutation Groups Ch. 6: Isomorphisms/ Homomorphisms	17	18	
19 Homework 2 Due at 11:59 pm on Gradescope.	20	21 Ch. 6: Isomorphisms/ Homomorphisms	22	23 Ch. 7: Cosets and Lagrange's Theorem	24	25	
26	27	28 Ch. 7: Cosets and Lagrange's Theorem Ch. 8: External Direct Products					

▼February March 2023 April ►							
Sun	Mon	Tue	Wed 1	Thu 2 Ch. 8: External Direct Products	Fri 3	Sat 4	
5 Homework 3 Due at 11:59 pm on Gradescope.	6	7 Quiz 2 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)	8	9 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)	10	11	
12	13	14 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups) Ch. 10: Group Homomorphisms	15	16 Ch. 10: Group Homomorphisms	1 7	18	
19 Spring Break	20 Spring Break	21 Spring Break	22 Spring Break	23 Spring Break	24 Spring Break	25 Spring Break	
26 Homework 4 Due at 11:59 pm on Gradescope.	27	28 <u>Primary Source</u> <u>Project: Holder's</u> <u>Quotient Group</u> <u>Concept</u>	29	30 <u>Primary Source</u> <u>Project: Holder's</u> <u>Quotient Group</u> <u>Concept</u>	31 Cesar Chavez Day-Campus Closed		

April 2023 May May May May May May May Ma							
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
2	3	4 Quiz 3 Ch. 11: The Fundamental Theorem of Finite Abelian Groups	5	6 Ch. 12: Introduction to Rings Reid Lecture 6-7pm (Extra credit for attendance)	7	8	
9	10 Primary Source Project Due at 11:59 pm on Gradescope.	11 Ch. 12: Introduction to Rings	12	13 Ch. 13: Integral Domains	14	15	
16 Homework 5 Due at 11:59 pm on Gradescope.	17	18 Ch. 14: Ideals and Factor Rings (Quotient Rings)	19	20 Ch. 14: Ideals and Factor Rings (Quotient Rings)	21	22	
23 Homework 6 Due at 11:59 pm on Gradescope.	24	25 <mark>Quiz 4</mark> Ch. 15: Ring Homomorphisms	26	27 Ch. 15: Ring Homomorphisms	28	29	
30							

◄ April			May 2023			June ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 Ch. 16: Polynomial Rings	3	4 Ch. 16: Polynomial Rings	5	6
7 Homework 7 Due at 11:59 pm on Gradescope.	8	9 Ch. 17: Factorization of Polynomials	10	11 Ch. 17: Factorization of Polynomials	12	13
14	15	16 Final Exam 6:15pm to 8:15pm Academic Hall 201	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31		•	