Math 470 Abstract Algebra: Fall 2025 Schedule

◄ Jul 2025 | **August 2025** | Sep 2025 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
17	18	19	20	21	22	23
24	25	26 First Day of Class Introduction and Expectations What is Abstract Algebra?	27	28 Ch. 1: Intro to Groups. Examples	29	30
31						

◄ Aug 2025

September 2025

Oct 2025 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Labor Day	2 Ch. 1: Intro to Groups. Examples Ch. 2: Groups. Elementary Properties	3 Homework 0 Due at 11:59pm	4 Ch. 2: Groups. Elementary Properties	5	6
7 Last Day of Add/Drop Period	8	9 Ch. 3: Finite Groups, Subgroups	10 Homework 1 Due at 11:59pm	11 Ch. 3: Finite Groups, Subgroups Ch. 4: Cyclic Groups	12	13
14	15	16 Ch. 4: Cyclic Groups	17 Homework 2 Due at 11:59pm	18 Ch. 5: Permutation Groups	19	20
21 Last Day to Drop with No Academic Record	22	23 Ch. 5: Permutation Groups	24 Homework 3 Due at 11:59pm	25 Math Colloquium Ch. 6: Isomorphisms/ Homomorphisms	26	27
28	29	30 Ch. 6: Isomorphisms/ Homomorphisms Direct Products (Ch. 8)				

◄ Sep 2025

October 2025

Nov 2025 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 Homework 4 Due at 11:59pm	2 Exam 1	3	4
5	6	7 Ch. 7: Cosets and Lagrange's Theorem	8 Homework 5 Due at 11:59pm	9 Math Colloquium Ch. 7: Cosets and Lagrange's Theorem Group Actions and a Proof of Cauchy's Theorem	10	11
12	13	14 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)	15 Homework 6 Due at 11:59pm	16 Math Colloquium Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)	17	18
19	20	21 Ch. 10: Group Homomorphisms	22 Homework 7 Due at 11:59pm	23 Math Colloquium Ch. 10: Group Homomorphisms (First Isomorphism Theorem)	24	25
26	27	28 Ch. 11: The Fundamental Theorem of Finite Abelian Groups	29 Homework 8 Due at 11:59pm	30 Ch. 12: Introduction to Rings	31 Halloween	

◄ Oct 2025

November 2025

Dec 2025 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 Día de los Muertos
2	3	4 Ch. 12: Introduction to Rings Ch. 13: Integral Domains	5 Homework 9 Due at 11:59pm	6 Math Colloquium Exam 2	7	8
9	10	11 Vetrans Day	12 Homework 10 Due at 11:59pm	13 Ch. 13: Integral Domains	14	15
16	17	18 Ch. 14: Ideals and Factor Rings (Quotient Rings)	19 Homework 11 Due at 11:59pm	20 Math Colloquium Ch. 14: Ideals and Factor Rings (Quotient Rings) Richard Dedekind and the Creation of an Ideal	21	22
23	24	25 Richard Dedekind and the Creation of an Ideal	26	27 Thanksgiving Holiday	28 Thanksgiving Holiday	29
30 Homework 12 Due at 11:59pm						

◄ Nov 2025

December 2025

Jan 2026 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30 Homework 12 Due at 11:59pm	1	2 Maximal and Prime Ideals Ch. 15: Ring Homomorphisms (First Isomorphism Theorem)	3	4 Last Day of Class Ch. 15: Ring Homomorphisms (First Isomorphism Theorem)	5 Primary Source Project Due at 11:59pm	6
7	8	9	10 Homework 13 Due at 11:59pm	11 Final Exam 4-6PM Commons 206	12	13
14	15	16	17	18 Grades Due	19	20