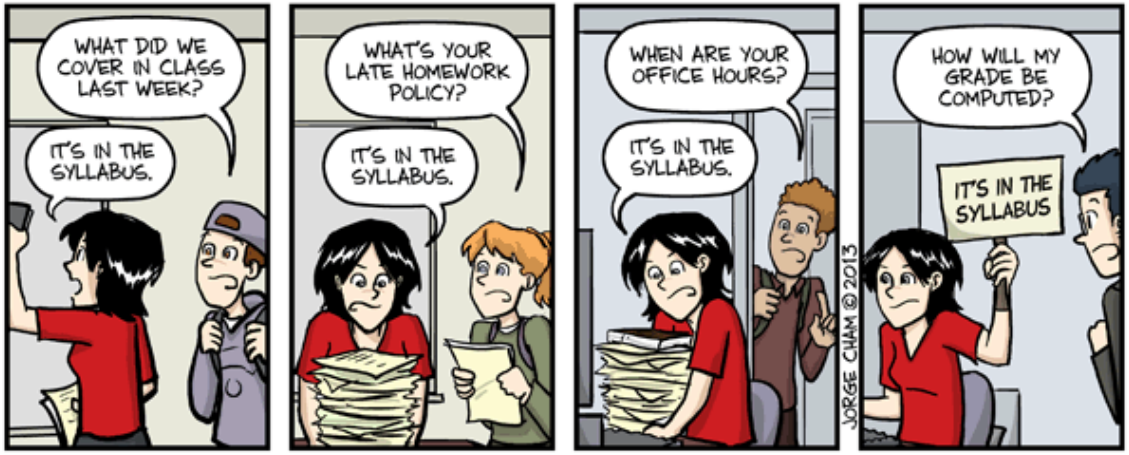
Math 470: Abstract Algebra Schedule Fall 2024



◄ Jul 2024 **August 2024** Sep 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26 **Semester Starts**	27 **First Day of Class** Introduction and Expectations What is Abstract Algebra? Preliminaries	28	29 Ch. 1: Intro to Groups. Examples	30	31

◄ Aug 2024

September 2024

Oct 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 Labor Day, campus closed	3 Ch. 1: Intro to Groups. Examples	4 Homework 0 due at 11:59pm on Gradescope	5 Ch. 2: Groups. Elementary Properties SMIMIC (San Marcos Informal Mathematics In-person Colloquium) in Commons 206	6	7
8	9	10 Ch. 3: Finite Groups, Subgroups	11 Homework 1 due at 11:59pm on Gradescope	12 Movie/Conference Attendance K-16 Math for Careers Conference	13	14
15	16	17 Ch. 3: Finite Groups, Subgroups Ch. 4: Cyclic Groups	18	19 Ch. 4: Cyclic Groups SMIMIC in Commons 206	20 Homework 2 due at 11:59pm on Gradescope	21
22	23	24 Quiz 1 Ch. 4: Cyclic Groups Ch. 5: Permutation Groups	25	26 Ch. 5: Permutation Groups Ch. 6: Isomorphisms/ Homomorphisms CRESE (STEM Education) Seminar	27	28
29	30					

◄ Sep 2024

October 2024

Nov 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 Ch. 6: Isomorphisms/ Homomorphisms	2 Homework 3 due at 11:59pm on Gradescope	3 Ch. 6: Isomorphisms/ Homomorphisms Ch. 7: Cosets and Lagrange's Theorem SMIMIC in Commons 206	4	5
6	7	8 Ch. 7: Cosets and Lagrange's Theorem	9 Homework 4 due at 11:59pm on Gradescope	10 Ch. 7: Cosets and Lagrange's Theorem Ch. 8: External Direct Products	11	12
13	14	15 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)	16	17 A proof of Cauchy's Theorem Ch. 8: External Direct Products SMIMIC in Commons 206	18 Homework 5 due at 11:59pm on Gradescope	19
20	21	22 Quiz 2 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups)	23	24 Ch. 9: Normal Subgroups and Factor Groups (Quotient Groups) Ch. 10: Group Homomorphisms CRESE (STEM Education) Seminar	25	26
27	28	29 Ch. 10: Group Homomorphisms	30 Homework 6 due at 11:59pm on Gradescope	31 Ch. 11: The Fundamental Theorem of Finite Abelian Groups Ch. 12: Introduction to Rings SMIMIC in Commons 206		

◄ Oct 2024

November 2024

Dec 2024 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5 Ch. 12: Introduction to Rings Ch. 13: Integral Domains Election Day	6 Homework 7 due at 11:59pm on Gradescope	7 Ch. 13: Integral Domains Ch. 14: Ideals and Factor Rings (Quotient Rings)	8	9
10	11 Veterans Day, campus closed	12 Ch. 14: Ideals and Factor Rings (Quotient Rings)	13	14 Ch. 14: Ideals and Factor Rings (Quotient Rings) Ch. 15: Ring Homomorphisms SMIMIC in Commons 206	15 Homework 8 due at 11:59pm on Gradescope	16
17	18	19 Quiz 3 Ch. 15: Ring Homomorphisms	20	21 Ch. 16: Polynomial Rings CRESE (STEM Education) Seminar	22	23
24	25	26 Ch. 16: Polynomial Rings Ch. 17: Factorization of Polynomials	27 Homework 9 due at 11:59pm on Gradescope	28 Thanksgiving Holiday, campus closed. No class.	29 Thanksgiving Holiday, campus closed. No class.	30

◄ Nov 2024

December 2024

Jan 2025 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 Ch. 18: Divisibility in Integral Domains + Number Rings	4	5 Last Class Number Rings and Fermat's Last Theorem	6 Homework 10 due at 11:59pm on Gradescope	7
8	9	10	11	12 Final Exam 4 to 6 in Markstein 310	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				