

Math 520 Graduate Algebra: Galois Theory

Fall 2025 Schedule

August 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 Galois Theory?	27	28 13.1 Basic Theory of Field Extensions	29	30	
31							

September 2025						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Labor Day	2 13.1 Basic Theory of Field Extensions	3 Homework 0 Due at 11:59pm	4 13.1 Basic Theory of Field Extensions	5	6
7 Last Day of Add/Drop Period	8	9 13.2 Algebraic Extensions	10 Homework 1 Due at 11:59pm	11 13.2 Algebraic Extensions	12	13
14	15	16 13.3 Classical Straightedge and Compass Constructions	17 Homework 2 Due at 11:59pm	18 13.4 Splitting Fields and Algebraic Closures	19	20
21 Last Day to Drop with No Academic Record	22	23 13.4 Splitting Fields and Algebraic Closures	24 Homework 3 Due at 11:59pm	25 Math Colloquium	26	27
28	29	30 13.5 Separable and Inseparable Extensions				

◀ Aug 2025

Oct 2025 ▶

October 2025							◀ Sep 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 13.6 Cyclotomic Polynomials and Extensions	8 Homework 5 Due at 11:59pm	9 <u>Math Colloquium</u> 13.6 Cyclotomic Polynomials and Extensions	10	11		
12	13	14 14.1 Basic Definitions of Galois Theory	15 Homework 6 Due at 11:59pm	16 <u>Math Colloquium</u> 14.1 Basic Definitions of Galois Theory	17	18		
19	20	21 14.1 Basic Definitions of Galois Theory	22 Homework 7 Due at 11:59pm	23 <u>Math Colloquium</u> 14.1 Basic Definitions of Galois Theory	24	25		
26	27	28 14.2 The Fundamental Theorem of Galois Theory	29 Homework 8 Due at 11:59pm	30 14.2 The Fundamental Theorem of Galois Theory	31 Halloween			

December 2025							Jan 2026 ►
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
	1	2 14.7 Solvable and Radical Extensions: Insolvability of the Quintic	3	4 Last Day of Class 14.7 Solvable and Radical Extensions: Insolvability of the Quintic	5	6	
7 Homework 13 Due at 11:59pm	8 Exam Week	9 Exam Week	10 Exam Week	11 Exam Week	12 Exam Week	13	
14	15	16	17	18 Grades Due	19	20	
21	22	23	24	25	26	27	
28	29	30	31				