Week		Content	Reading	HW Assigned	HW Due
week 1	Tuesday, January 20, 2026	Course policies, the Scheme Programming Language	Syllabus (Canvas) Install & (Re) Familiarize Yourself with Scheme		
	Thursday, January 22, 2026	Propositional Logic, Truth Tables	Rosen 1.1 - 1.2	PS1 Out	
week 2	Tuesday, January 27, 2026	Equivalences, Laws of Propositional Logic	Rosen 1.3		
	Thursday, January 29, 2026	Conditionals, DNFs, CNFs, Satisfiability	Rosen 1.3	PS2 Out	PS1 Due = Friday, January 30, 2026
week 3	Tuesday, February 3, 2026	First Order Logic: Predicates and Quantifiers	Rosen 1.4		
	Thursday, February 5, 2026	Free Variables, Negation of Quantified Statements Multiply Quantified Statements	Rosen 1.5	PS3 Out	PS2 Due = Friday, February 6, 2026
week 4	Tuesday, February 10, 2026	Laws of Inferece with Propositions	Rosen 1.6		
	Thursday, February 12, 2026	Laws of Inference with Quantifiers	Rosen 1.6	PS4 Out	PS3 Due = Friday, February 13, 2026
week 5	Tuesday, February 17, 2026	Monday Schedule No Class			
	Thursday, February 19, 2026	Sets, Set Operations	Rosen 2.1 - 2.2	PS5 Out	PS4 Due = Friday, February 20, 2026
week 6	Tuesday, February 24, 2026	Set Identities, Cartesian Products	Rosen 2.1 - 2.2		
	Thursday, February 26, 2026	Functions: Injective, Surjective, Bijective Floor & Ceiling Functions	Rosen 2.3	PS6 Out	PS5 Due = Friday, February 27, 2026
week 7	Tuesday, March 3, 2026	Countable & Uncountable Sets	Rosen 2.5		
	Thursday, March 5, 2026	Exercises on Countable and Uncountable Sets	Rosen 2.5		
week 8	Tuesday, March 10, 2026	Relations: Basic Properties	Rosen 9.1 - 9.3		PS6 Due = Monday, March 9, 2026
	Thursday, March 12, 2026	MIDTERM EXAM			
	Tuesday, March 17, 2026	SPRING BREAK			
	Thursday, March 19, 2026				
week 9	Tuesday, March 24, 2026	Induction	Rosen 5.1		
	Thursday, March 26, 2026	Induction II, Strong Induction	Rosen 5.2	PS7 Out	
week 10	Tuesday, March 31, 2026	Peano Axioms, Division Theorem, Prime Numbers, Unique Factorization	Rosen 4.1, 4.3		
	Thursday, April 2, 2026	Modular Arithmetic, GCDs, Euclid's Algorithm	Rosen 4.3	PS8 Out	PS7 Due = Friday, April 3, 2026
week 11	Tuesday, April 7, 2026	Bezout's Theorem, Extended Euclid's Algorithm, Multiplicative Inverses	Rosen 4.3-4.4		
	Thursday, April 9, 2026	Solving Congruences, Fermat's Theorem, Euler's Totient Function & Theorem	Rosen 4.4	PS9 Out	PS8 Due = Friday, April 10, 2026
week 12	Tuesday, April 14, 2026	Chinese Reminder Theorem, Public Key Cryptosystem: RSA	Rosen 4.4, 4.6		
	Thursday, April 16, 2026	Graphs, the Handshaking Theorem Connectivity	Rosen 10.1, 10.2, 10.4		
week 13	Tuesday, April 21, 2026	Eulerian Circuits & Paths Hamiltonian Paths	Rosen 10.4 - 10.5	PS10 Out	PS9 Due = Monday, April 20, 2026
	Thursday, April 23, 2026	Directed Acyclic Graphs, Topological Order	Rose 9.6 or Lecture Noes		
week 14	Tuesday, April 28, 2026	Planar Graphs	Rosen 10.7		
	Thursday, April 30, 2026	Trees & Their Properties	Rosen 11.1 - 11.3		PS10 Due = Friday, May 1, 2026
	Tuesday, May 5, 2026	m-Ary Trees	Rosen 11.3		
	TBA	FINAL EXAM	TBA		