Week		Content	Reading	HW Assigned	HW Due
week1	Thursday, January 19, 2023	Course policies, the Scheme Programming Language	Syllabus (Canvas) Install & (Re) Familiarize Yourself with Scheme		
week 2	Tuesday, January 24, 2023	Propositional Logic, Truth Tables	zyBooks 1.1 - 1.3 Rosen 1.1 - 1.2	PS1 Out	
	Thursday, January 26, 2023	Equivalences, Laws of Propositional Logic	zyBooks 1.4 - 1.5 Rosen 1.3		
week 3	Tuesday, January 31, 2023	Conditionals, DNFs, CNFs, Satisfiability	zyBooks 1.4 - 1.5 Rosen 1.3		PS1 Due Wed, 2/1, 11:59pm
	Thursday, February 2, 2023	Predicates and Quantifiers	zyBooks 1.6 - 1.10 Rosen 1.4 - 1.5	PS2 Out	
week 4	Tuesday, February 7, 2023	Laws of Inferece with Propositions	zyBooks 1.12 Rosen 1.6		
	Thursday, February 9, 2023	Laws of Inference with Quantifiers	zyBooks 1.13 Rosen 1.6	PS3 Out	PS2 Due Th, 2/9, 11:59pm
week 5	Tuesday, February 14, 2023	Operations on Sets, Set Identities	zyBooks 3.1 - 3.5 Rosen 2.1 - 2.2		
	Thursday, February 16, 2023	Cartesian Products, Functions: Injective, Surjective, Bijective	zyBooks 3.6, 4.1 - 4.3 Rosen 2.2 - 2.3	PS4 Out	PS3 Due Thu 2/16, 11:59pm
week 6	Tuesday, February 21, 2023	Countable, Uncountuable Sets, Cantor's Hierarchy	Rosen 2.5		
	Thursday, February 23, 2023	Relations I: Basic Properties	zyBooks 6.1 - 6.3 Rosen 9.1 - 9.3		PS4 Due Thu, 2/23, 11:59pm
week 7	Tuesday, February 28, 2023	Relations II: Composition, Closure, Equivalence	zyBooks 6.4, 6.5, 6.9 Rosen 9.4 - 9.6	PS5 Out	
	Thursday, March 2, 2023	Induction I	zyBooks 8.1, 8.3 - 8.4 Rosen 5.1		
week 8	Tuesday, March 7, 2023	Inducction II	zyBooks 8.5 - 8.9 Rosen 5.2, 5.3, 5.5		PS5 Due Wed, 3/8, 11:59pm
	Thursday, March 9, 2023	MIDTERM EXAM			
week 9	Tuesday, March 14, 2023	SPRING BREAK			
	Thursday, March 16, 2023				
week 10	Tuesday, March 21, 2023	Number Theory: Introduction, Peano, Division Theorem, Modular Arithmetic	zyBooks 9.1 - 9.2 Rosen 4.1 - 4.2	PS6 Out	
	Thursday, March 23, 2023	Prime Numbers, Unique Factorization GCDs, Euclid Algorithm	zyBooks 9.3 - 9.5 Rosen 4.3		
week 11	Tuesday, March 28, 2023	Linear Combinations, Number Representations	zyBooks 9.6 Rosen 4.2		PS6 Due Wed, 3/29, 11:59pm
	Thursday, March 30, 2023	Congruences, Chinese Remainder Theorem	Rosen 4.4	PS7 Out	
week 12	Tuesday, April 4, 2023	Fermat's Little Theorem, Euler Totient Function	Rosen 4.4		
	Thursday, April 6, 2023	Introduction to Cryptography	zyBooks 9.8 Rosen 4.6	PS8 Out	PS7 Due Thu 4/6, 11:59pm
week 13	Tuesday, April 11, 2023	Public Key Cryptosystem: RSA	zyBooks 9.9 Rosen 4.6		
	Thursday, April 13, 2023	Graphs and Their Representations	zyBooks 13.1 - 13.3 Rosen 10.1 - 10.3	PS9 Out	PS8 Due Thu, 4/13, 11:59pm
week 14	Tuesday, April 18, 2023	Connectivity, Cycles, Eulerian Circuits	zyBooks 13.4 - 13.6 Rosen 10.4 - 10.5		
	Thursday, April 20, 2023	Hamiltonian Paths, Planar Graphs, Graph Coloring	zyBooks 13.7 - 13.9 Rosen 10.7 - 10.8		PS9 Due Thu, 4/20, 11:59pm
week 15	Tuesday, April 25, 2023	Directed Acyclic Graphs, Topological Order	zyBooks 6.8	PS10 Out	
	Thursday, April 27, 2023	Trees & Their Properties	zyBooks 14.1 - 14.3 Rosen 11.1 - 11.2		
	Tuesday, May 2, 2023	Tree Traversals	zyBooks 14.4 Rosen 11.3		PS10 Due Wed 5/3, 11:59pm
	Thursday, May 4, 2023	REVIEW (Time Permitting)			
	TBA	FINAL EXAM			