We will follow the textbook *Discrete Mathematics and Its Applications* (fifth edition) by Kenneth H. Rosen. The following schedule outlines the material to be covered during the semester and specifies the corresponding sections in the textbook. The topic schedule is approximate and is subject to change.

Date	Topic	Quiz	Reading	Assigned	Due
Tue 01/31	Introduction, logic notation		1.1-1.4	HW1	
Thu 02/02	Methods of Proof		1.5		
Tue 02/07	Sets and Functions		1.6-1.8	HW2	HW1
Thu 02/09	Alternating Quantifiers: Big-Oh		2.1-2.3		
Tue 02/14	Elementary Number Theory		2.4	HW3	HW2
Thu 02/16	Elementary Number Theory		2.5		
Tue 02/21	Elementary Number Theory		2.6	HW4	HW3
Thu 02/23	Elementary Number Theory	**Quiz 1**			
Tue 02/28	Proof by Induction		3.1, 3.3	HW5	HW4
Thu 03/02	Proof by Induction		3.4		
Tue 03/07	Proof by Induction		3.5	HW6	HW5
Thu 03/09	Proof by Induction	**Quiz 2**	3.6		
Tue 03/14	Counting		4.1-4.4		HW6
Thu 03/16	Counting		4.5-4.6		
Tue 03/21	*Spring Break*				
Thu 03/23	*Spring Break*				
Tue 03/28	Discrete Probability		5.1-5.3	HW7	
Thu 03/30	Discrete Probability	**Quiz 3**			
Tue 04/04	Advanced Counting		6.1-6.3	HW8	HW7
Thu 04/06	Advanced Counting		6.4-6.6		
Tue 04/11	Relations		7.1-7.3	HW9	HW8
Thu 04/13	Relations	**Quiz 4**	7.4-7.5		
Tue 04/18	Relations		7.6	HW10	HW9
Thu 04/20	Graph Theory		8.1-8.3		
Tue 04/25	Graph Theory		8.4-8.6	HW11	HW10
Thu 04/27	Graph Theory	**Quiz 5**	8.7-8.8		
Tue 05/02	Trees		9.1-9.3	HW12	HW11
Thu 05/04	Trees				
Tue 05/09	Boolean Algebra		10.1-10.2	HW13	HW12
Thu 05/11	Boolean Algebra	**Quiz 6**			
Tue 05/16	Review				HW13
Tue 05/23	**Final Exam**				