We will follow the textbooks *A Short Course on Discrete Mathematics* and *Mathematics for Algorithm and System Analysis* by Edward A. Bender and S. Gill Williamson. 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	Homework	
				Assigned	Due
Tue 01/29	Introduction, Graphs 1				
Thu 01/31	Graphs 2			HW1	
Tue 02/05	Logic		LO 1&2		
Thu 02/07	Proofs 1			HW2	HW1
Tue 02/12	Proofs 2				
Thu 02/14	Proofs 3			HW3	HW2
Tue 02/19	RSA & Cryptography		NT 2		
Thu 02/21	Number Theory 1		NT 1	HW4	HW3
Tue 02/26	Number Theory 2	**Quiz 1**			
Thu 02/28	Number Theory 3			HW5	HW4
Tue 03/04	Sets		SF 1		
Thu 03/06	Functions		SF 2	HW6	HW5
Tue 03/11	Induction 1	**Quiz 2**	IS 1		
Thu 03/13	Induction 2			HW7	HW6
Tue 03/18	*Spring Break*				
Thu 03/20	*Spring Break*				
Tue 03/25	Induction 3				
Thu 03/27	Review			HW8	HW7
Tue 04/01	**Midterm Exam**				
Thu 04/03	Loop Invariants 1				
Tue 04/08	Loop Invariants 2			HW9	HW8
Thu 04/10	Equivalence 1		EO 1		
Tue 04/15	Equivalence 2	**Quiz 3**		HW10	HW9
Thu 04/17	Ordering		EO 2		
Tue 04/22	Counting 1		CL 1	HW11	HW10
Thu 04/24	Counting 2		CL 2		
Tue 04/29	Counting 3	**Quiz 4**	CL 3	HW12	HW11
Thu 05/01	Discrete Probability 1		CL 4		
Tue 05/06	Discrete Probability 2		DT 1&3	HW13	HW12
Thu 05/08	Discrete Probability 3				
Tue 05/13	Review	**Quiz 5**			HW13
Tue 05/20	**Final Exam 1pm - 3pm**				