

The following schedule outlines the material to be covered during the semester and specifies the corresponding sections in the textbooks — either in the sixth or fifth edition of *Discrete Mathematics and Its Applications* by Kenneth Rosen (McGraw Hill). The topic schedule is approximate and is subject to change.

Date	Topic	Quiz	HW		Reading	
			Assigned	Due	Rosen 6/e	Rosen 5/e
Tue 08/31	Introduction, Sets & Functions		HW1		2.1-3	1.6–8
Thu 09/02	Graphs 1				9.1-2	8.1-2
Tue 09/07	Graphs 2		HW2	HW1		
Thu 09/09	Logic				1.1-4	1.1-4
Tue 09/14	Proofs 1		HW3	HW2	1.5-7	1.5, 3.1
Thu 09/16	Proofs 2					
Tue 09/21	Proofs 3		HW4	HW3		
Thu 09/23	RSA & Cryptography	<b>Quiz 1</b>			3.7	2.6
Tue 09/28	Number Theory 1		HW5	HW4	3.4-6	2.4-2.5
Thu 09/30	Number Theory 2					
Tue 10/05	Number Theory 3		HW6	HW5		
Thu 10/07	Induction 1	<b>Quiz 2</b>			4.1-3	3.3-4
Tue 10/12	Induction 2		HW7	HW6		
Thu 10/14	Induction 3					
Tue 10/19	Review			HW7		
Thu 10/21	<b>Midterm Exam</b>					
Tue 10/26	Counting 1		HW8		5.1-5	4.1-5
Thu 10/28	Counting 2					
Tue 11/02	Counting 3		HW9	HW8		
Thu 11/04	Discrete Probability 1	<b>Quiz 3</b>			6.1-4	5.1-3
Tue 11/09	Discrete Probability 2		HW10	HW9		
Thu 11/11	Discrete Probability 3					
Tue 11/16	Relations 1		HW11	HW10	8.1-6	7.1-6
Thu 11/18	Relations 2	<b>Quiz 4</b>				
Tue 11/23	Relations 3		HW12	HW11		
Thu 11/25	<i>Thanksgiving Break</i>					
Tue 11/30	Loop Invariants				4.5	3.6
Thu 12/02	TBA	<b>Quiz 5</b>	HW13	HW12		
Tue 12/07	TBA					
Thu 12/09	Review			HW13		
Tue 12/21	<b>Final Exam 10:30am–12:30pm</b>					