

Day #	Date	Event	Topic	Textbook Sec.	Live/Recorded	HW due
1	M 2/1		Introduction, Permutations, Combinations	1.3, 1.4	Live	
2	W 2/3		Binomial, multinomial coeff., integer solutions	1.4, 1.5, 1.6	Recorded	Mock HW
3	M 2/8		Equally likely outcomes, Basic Prop., Poker hands	2.1-2.5	Recorded	
4	W 2/10		Basic Prop., Inclusion-exclusion, Matching problem	2.1-2.5	Recorded	HW1
	M 2/15	Presidents' day	(no classes)	xx	xx	
5	W 2/17		Conditional probability	3.2	Live	HW2
6	M 2/22		Bayes' Formula, Monty Hall and other problems	3.2, 3.3	Recorded	
7	W 2/24		Independent events, Bernoulli processes	3.4	Recorded	HW3
8	M 3/1		Points problem and Gambler's Ruin Problem	3.4	Recorded	
9	W 3/3		Random variables, expected value	4.1, 4.2, 4.3, 4.4	Live	HW4
10	M 3/8		Variance and Covariance	4.4, 4.5, 7.4	Recorded	
11	W 3/10		Bernoulli and Binomial Random Variables	4.6	Recorded	HW5
12	M 3/15		Poisson random variables	4.7	Recorded	
13	W 3/17		Continuous random variables	5.1, 5.2	Live	HW6
14	M 3/22		Uniform and normal distributions	5.3, 5.4	Recorded	
15	W 3/24		Exponential random variable, hazard rate	5.5	Recorded	HW7
		Spring Break	(no classes)	xx	xx	
16	M 4/5		Pdf of $g(X)$, lognormal and Pareto random variables	5.6, 5.7	Recorded	
17	W 4/7		Jointly distributed random variables	6.1	Live	HW8
18	M 4/12		Geometric problems, independent random variables	6.1, 6.2	Recorded	
19	W 4/14		Sums, Expectation of sums, random walk	6.3, 7.2	Recorded	HW9
20	M 4/19		Moment generating functions, Conditional Expectation	7.5, 7.7	Recorded	
21	W 4/21		Chebyshev, Law of Large numbers, Central Limit Thm	8.2, 8.3	Live	HW10
22	M 4/26		Using the Central Limit Theorem	8.3	Recorded	
23	W 4/28		Strong Law of Large numbers	8.4	Recorded	HW11
24	M 5/3		Markov chains	9.2	Recorded	
25	W 5/5		Coding and Shannon entropy	9.3, 9.4	Recorded	HW12
26	M 5/10		Simulating random variables	10.1, 10.2, 10.3	Recorded	
27	W 5/12		Review 1	(all)	Live	
28	M 5/17		Review 2	(all)	Live	
	W 5/19		FINAL EXAM			