DATE	HW DUE	TOPIC
M 8.31		1.1: Course introduction: what is probability?
T 9.1		1.2: Probability spaces
W 9.2		1.3: Basic properties of probability spaces
R 9.3		*Activity:* Review of functions and inequalities
M 9.7		*No class - Labor Day*
T 9.8		1.3: Inclusion-exclusion problems
W 9.9	1-9	1.4: Conditional probability and independence
R 9.10		1.5: Law of Total Probability and Bayes' Law
M 9.14		2.1-2.2: Discrete random variables
T 9.15		2.3: Combinations and permutations
W 9.16	10-25	2.3: More combinatorics; hypergeometric random variables
R 9.17		*Activity:* Charts and pictures for I-E / Bayes style problems
M 9.21		2.4: Bernoulli processes and associated random variables
T 9.22		Review for Exam 1
W 9.23	26-41	3.1-3.2: Continuous random variables
R 9.24		3.3: Transformations of real-valued random variables I
F 9.25		**EXAM 1** (covers Chapters 1-2) due 11:59 PM
M 9.28	42-49	3.3: Transformations of real-valued random variables II
T 9.29		*Activity:* Review of series formulas
W 9.30		3.4: The Poisson process and associated random variables
R 10.1		3.5: The gamma function
M 10.5	50-60	3.6: Normal distributions
T 10.6		3.7: Stirling's formula
W 10.7	CRA	Review for Exam 2
R 10.8		4.1-4.2: Discrete joint distributions
F 10.9		**EXAM 2** (covers Chapter 3) due 11:59 PM
M 10.12	61-71	*Activity:* Discrete joint distributions
T 10.13		4.3-4.4: Transformations of discrete joint distributions
W 10.14		5.1: Continuous joint distributions I
R 10.15		*Activity:* Continuous joint distributions
M 10.19	72-80	5.2: Continuous joint distributions II
T 10.20		5.3: Conditional densities
W 10.21		5.4: Transformations in higher-dimensions I
R 10.22		5.4: Transformations in higher-dimensions II
M 10.26	81-92	*Activity:* Practicing transformation problems
T 10.27		Review for Exam 3
W 10.28		6.1: Expected value
R 10.29	93-112	6.1: Properties of expected value
F 10.30		**EXAM 3** (covers Chapters 4-5) due 11:59 PM

DATE	HW DUE	TOPIC
M 11.2		6.1: LOTUS
T 11.3		6.2: Variance and covariance
W 11.4		6.3: Conditional expectation
R 11.5	113-121	*Activity:* Medians, means, modes and quartiles
M 11.9		7.1: Probability generating functions
T 11.10	MRA	7.2: Moments and moment-generating functions
W 11.11		7.2-7.3: Joint moment-generating functions
R 11.12	122-141	7.3: Bivariate normal distributions
M 11.16		8.1-8.2: Markov and Chebyshev inequalities; laws of large numbers
T 11.17		8.3: Central Limit Theorem: statement and proof
W 11.18	142-158	8.3: Central Limit Theorem: applications
R 11.19		Review for Exam 4
F 11.20		**EXAM 4** (covers Chapters 6-8) due 11:59 PM
M 11.23		*No class - Professor absent*
T 11.24		*No class - Professor absent*
W 11.25		*No class - Thanksgiving*
R 11.26		*No class - Thanksgiving*
No in-person class meetings after Thanksgiving		
W 12.2	159-175	
T 12.15		**FINAL EXAM** (cumulative) due 11:59 PM